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OM protein - protein search, using sw model

Run on: July 20, 2004, 09:29:26 ; Search time 14 Seconds  
(without alignments)  
73.751 Million cell updates/sec

Title: US-10-044-995-2

Perfect score: 110

Sequence: 1 PORKYRNNRRPQDVKFFG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*

- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110	100.0	20	2	US-08-466-975A-2
2	110	100.0	20	2	US-08-391-671A-2
3	110	100.0	20	3	US-08-467-902A-2
4	110	100.0	20	3	US-09-275-265-2
5	110	100.0	20	4	US-09-941-611-2
6	110	100.0	20	4	US-09-790-497A-38
7	110	100.0	22	2	US-08-146-028-38
8	110	100.0	22	2	US-08-146-028-118
9	110	100.0	22	2	US-08-146-028-134
10	110	100.0	22	3	US-08-723-425A-38
11	110	100.0	22	3	US-08-723-425A-118
12	110	100.0	22	3	US-08-723-425A-134
13	110	100.0	22	3	US-09-112-206-38
14	110	100.0	22	3	US-09-112-206-118
15	110	100.0	22	3	US-09-112-206-134
16	110	100.0	22	4	US-09-576-824A-38
17	110	100.0	26	1	US-07-681-701-1
18	110	100.0	26	1	US-07-681-701-7
19	110	100.0	29	3	US-08-380-160-5
20	110	100.0	30	1	US-08-324-977-6
21	110	100.0	30	2	US-08-384-616-6
22	110	100.0	30	2	US-08-904-686A-6
23	110	100.0	30	3	US-09-315-850-6
24	110	100.0	30	4	US-09-790-497A-47
25	110	100.0	31	1	US-07-681-701-8
26	110	100.0	32	2	US-08-146-028-47
27	110	100.0	32	2	US-08-146-028-136

28	110	100.0	32	3	US-08-723-425A-47	Sequence 47, Appl
29	110	100.0	32	3	US-08-723-425A-136	Sequence 136, App
30	110	100.0	32	3	US-09-112-206-47	Sequence 47, Appl
31	110	100.0	32	3	US-09-112-206-136	Sequence 136, App
32	110	100.0	32	4	US-09-790-497A-136	Sequence 136, App
33	110	100.0	32	4	US-09-790-497A-402	Sequence 402, App
34	110	100.0	32	4	US-09-576-824A-47	Sequence 47, Appl
35	110	100.0	32	4	US-09-576-824A-136	Sequence 136, App
36	110	100.0	34	3	US-08-380-160-6	Sequence 6, Appl
37	110	100.0	34	4	US-09-576-824A-402	Sequence 402, App
38	110	100.0	39	3	US-08-380-160-8	Sequence 8, Appl
39	110	100.0	43	4	US-09-020-846-36	Sequence 36, Appl
40	110	100.0	44	3	US-08-380-160-2	Sequence 2, Appl
41	110	100.0	44	4	US-09-389-756-1	Sequence 1, Appl
42	110	100.0	45	3	US-08-380-160-1	Sequence 1, Appl
43	110	100.0	48	3	US-08-836-075A-22	Sequence 22, Appl
44	110	100.0	61	1	US-07-946-054-9	Sequence 9, Appl
45	110	100.0	61	1	US-08-083-947-23	Sequence 23, Appl

RESULT 1  
US-08-466-975A-2  
; Sequence 2, Application US/08466975A  
; Patent No. 5910404  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GERT  
; APPLICANT: VAN HEUVESWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION NUMBER: US/08/466,975A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid

ALIGNMENTS

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-466-975A-2

Query Match 100.0%; Score 110; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.2e-11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPF 20  
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Db 1 PORKTKNTNRRPQDVKFPF 20

## RESULT 2

US-08-391-671A-2  
; Sequence 2, Application US/08391671A  
; Patent No. 5922532  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/391.671A  
FILING DATE: 21-FEB-1995  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990

ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELEPHONE: 7038164000  
TELEFAX: 7038164000  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-391-671A-2

Query Match 100.0%; Score 110; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.2e-11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPF 20  
| | | | | | | | | | | | | | | | | | | | | |

Db 1 PORKTKNTNRRPQDVKFPF 20

## RESULT 3

US-08-467-902A-2  
; Sequence 2, Application US/08467902A  
; Patent No. 6007982  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,902A  
FILING DATE:  
CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/391,671  
FILING DATE:  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990

ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELEPHONE: 7038164000  
TELEFAX: 7038164000  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-467-902A-2

Query Match 100.0%; Score 110; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.2e-11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPF 20  
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Db 1 PORKTKNTNRRPQDVKFPF 20

## RESULT 4

US-09-275-265-2  
; Sequence 2, Application US/09275265  
; Patent No. 6287761  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J

; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/275,265  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE: 21-FEB-1995  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION DATA:  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-09-275-265-2

Query Match 100.0%; Score 110; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.2e-11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDVKFPG 20  
Db 1 PORKTKRNTNRRPDVKFPG 20

RESULT 5  
US-09-941-611-2  
; Sequence 2, Application US/09941611  
; Patent No. 6576417  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; POLLET, DIRK  
; MAERTENS, GEERT  
; VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD

; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,611  
; FILING DATE: 30-AUG-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/391,671  
; FILING DATE: 1995-02-21  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
; US-09-941-611-2

Query Match 100.0%; Score 110; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 9.2e-11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDVKFPG 20  
Db 1 PORKTKRNTNRRPDVKFPG 20

RESULT 6  
US-09-790-497A-38  
; Sequence 38, Application US/09790497A  
; Patent No. 6649735  
; GENERAL INFORMATION:  
; APPLICANT: De Leys, Robert  
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING  
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN  
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF  
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS  
; FILE REFERENCE: 2752-16  
; CURRENT APPLICATION NUMBER: US/09/790,497A  
; CURRENT FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 09/576,824  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 08/723,425  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: 09/146,028  
; PRIOR FILING DATE: 1993-11-22  
; PRIOR APPLICATION NUMBER: PCT/EP93/00517  
; PRIOR FILING DATE: 1993-03-08  
; PRIOR APPLICATION NUMBER: EP 92400598.6  
; PRIOR FILING DATE: 1992-03-06  
; NUMBER OF SEQ ID NOS: 600  
; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 38
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-38

Query Match      100.0%; Score 110; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.2e-11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPQDVKFPG 20
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Db 1 PQRKTKNTNRRPQDVKFPG 20

RESULT 7
US-08-146-028-38
; Sequence 38, Application US/08146028
; Patent No. 5891640
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES
; TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
; NUMBER OF SEQUENCES: 453
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA: US/08/146,028
; APPLICATION NUMBER: US/08/146,028
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; NAME/KEY: Modified-site
; LOCATION: 22
US-08-146-028-38

Query Match      100.0%; Score 110; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPQDVKFPG 20
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Db 2 PQRKTKNTNRRPQDVKFPG 21

RESULT 8
US-08-146-028-118
; Sequence 118, Application US/08146028
; Patent No. 5891640
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES
; TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
; NUMBER OF SEQUENCES: 453
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/146,028
; INFORMATION FOR SEQ ID NO: 118:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 1
; NAME/KEY: Xaa is absent
; LOCATION: 22
US-08-146-028-118

Query Match      100.0%; Score 110; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPQDVKFPG 20
   |||||
Db 2 PQRKTKNTNRRPQDVKFPG 21

RESULT 9
US-08-146-028-134
; Sequence 134, Application US/08146028
; Patent No. 5891640
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES
; TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
; NUMBER OF SEQUENCES: 453
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/146,028
; INFORMATION FOR SEQ ID NO: 134:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 1
; NAME/KEY: Xaa is absent
; LOCATION: 22
US-08-146-028-134

Query Match      100.0%; Score 110; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPQDVKFPG 20
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Db      |||||||
        2 PQRKTKNTNRRPQDVKFPFG 21

RESULT 10
US-08-723-425A-38
; Sequence 38, Application US/08723425A
; Patent No. 6165730
; GENERAL INFORMATION:
; APPLICANT: DELEYS, ROBERT
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
; TITLE OF INVENTION: ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
; NUMBER OF SEQUENCES: 453
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE, P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,425A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 22
; US-08-723-425A-38

Query Match      100.0%; Score 110; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No.1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 PQRKTKNTNRRPQDVKFPFG 20
        |||||||
Db      2 PQRKTKNTNRRPQDVKFPFG 21

RESULT 11
US-08-723-425A-118
; Sequence 118, Application US/08723425A
; Patent No. 6165730
; GENERAL INFORMATION:
; APPLICANT: DELEYS, ROBERT
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
; TITLE OF INVENTION: ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
; NUMBER OF SEQUENCES: 453
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE, P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,425A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 22
; US-08-723-425A-38

Query Match      100.0%; Score 110; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No.1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 PQRKTKNTNRRPQDVKFPFG 20
        |||||||
Db      2 PQRKTKNTNRRPQDVKFPFG 21

RESULT 12
US-08-723-425A-134
; Sequence 134, Application US/08723425A
; Patent No. 6165730
; GENERAL INFORMATION:
; APPLICANT: DELEYS, ROBERT
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
; TITLE OF INVENTION: ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
; NUMBER OF SEQUENCES: 453
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE, P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,425A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 118:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 1
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 22
; US-08-723-425A-118

Query Match      100.0%; Score 110; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No.1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 PQRKTKNTNRRPQDVKFPFG 20
        |||||||
Db      2 PQRKTKNTNRRPQDVKFPFG 21
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;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/723.425A  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: SADOFF, B.J.  
;; REGISTRATION NUMBER: 36,663  
;; REFERENCE/DOCKET NUMBER: 1487-13  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 703-816-4000  
;; TELEFAX: 703-816-4100  
;; INFORMATION FOR SEQ ID NO: 134:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 22 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; HYPOTHETICAL: NO  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: HCV  
;; FEATURE:  
;; NAME/KEY: Xaa is absent  
;; LOCATION: 1  
;; FEATURE:  
;; NAME/KEY: Xaa is absent  
;; LOCATION: 22  
US-08-723-425A-134

Query Match 100.0%; Score 110; DB 3; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTNTNRRPQDVKFP 20  
Db 2 PQRKTNTNRRPQDVKFP 21

RESULT 13  
US-09-112-206-38  
;; Sequence 38, Application US/09112206  
;; Patent No. 6210903  
;; GENERAL INFORMATION:  
;; APPLICANT:  
;; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
;; CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
;; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
;; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
;; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
;; NUMBER OF SEQUENCES: 453  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/112,206  
;; FILING DATE:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/146,028  
;; FILING DATE:  
;; INFORMATION FOR SEQ ID NO: 38:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 22 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; HYPOTHETICAL: NO  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: HCV  
;; FEATURE:  
;; NAME/KEY: Modified-site  
;; LOCATION: 1

Qy 1 PQRKTNTNRRPQDVKFP 20  
Db 2 PQRKTNTNRRPQDVKFP 21

;; FEATURE:  
;; NAME/KEY: Modified-site  
;; LOCATION: 22  
US-09-112-206-38

Query Match 100.0%; Score 110; DB 3; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTNTNRRPQDVKFP 20  
Db 2 PQRKTNTNRRPQDVKFP 21

RESULT 14  
US-09-112-206-118  
;; Sequence 118, Application US/09112206  
;; Patent No. 6210903  
;; GENERAL INFORMATION:  
;; APPLICANT:  
;; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
;; CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
;; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
;; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
;; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
;; NUMBER OF SEQUENCES: 453  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/112,206  
;; FILING DATE:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/146,028  
;; FILING DATE:  
;; INFORMATION FOR SEQ ID NO: 118:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 22 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; HYPOTHETICAL: NO  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: HCV  
;; FEATURE:  
;; NAME/KEY: Xaa is absent  
;; LOCATION: 1  
;; FEATURE:  
;; NAME/KEY: Xaa is absent  
;; LOCATION: 22  
US-09-112-206-118

Query Match 100.0%; Score 110; DB 3; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTNTNRRPQDVKFP 20  
Db 2 PQRKTNTNRRPQDVKFP 21

RESULT 15  
US-09-112-206-134  
;; Sequence 134, Application US/09112206  
;; Patent No. 6210903  
;; GENERAL INFORMATION:  
;; APPLICANT:  
;; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
;; CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
;; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
;; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
;; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
;; NUMBER OF SEQUENCES: 453  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/112,206  
;; FILING DATE:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/146,028  
;; FILING DATE:  
;; INFORMATION FOR SEQ ID NO: 134:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 22 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; HYPOTHETICAL: NO  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: HCV  
;; FEATURE:  
;; NAME/KEY: Modified-site  
;; LOCATION: 1

Qy 1 PQRKTNTNRRPQDVKFP 20  
Db 2 PQRKTNTNRRPQDVKFP 21

```
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
; NUMBER OF SEQUENCES: 453
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/112,206
; FILING DATE:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/146,028
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 134:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 1
; NAME:
; NAME/KEY: Xaa is absent
; LOCATION: 22
; US-09-112-206-134

Query Match 100.0%; Score 110; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFFG 20
Db 2 PQRKTKRNTNRRPQDVKFFG 21

RESULT 16
US-09-576-824A-38
; Sequence 38, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-11
; CURRENT APPLICATION NUMBER: US/09/576,824A
; CURRENT FILING DATE: 2000-05-23
; PRIORITY APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIORITY APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIORITY APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIORITY APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)
; OTHER INFORMATION: modified site
; NAME/KEY: VARIANT
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```
; LOCATION: (22)
; OTHER INFORMATION: modified site
; US-09-576-824A-38

Query Match 100.0%; Score 110; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 1e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFFG 20
Db 2 PQRKTKRNTNRRPQDVKFFG 21

RESULT 17
US-07-681-701-1
; Sequence 1, Application US/07681701
; Patent No. 5574132
; GENERAL INFORMATION:
; APPLICANT: Lacroix, Martial
; TITLE OF INVENTION: PEPTIDES AND MIXTURES THEREOF FOR
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FISH & NEAVE
; STREET: 875 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/681,701
; FILING DATE: 19910405
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: IAP-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 715-0742
; TELEFAX: (212) 715-0673
; TELEX: 14-8367
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-07-681-701-1

Query Match 100.0%; Score 110; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.2e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFFG 20
Db 7 PQRKTKRNTNRRPQDVKFFG 26

RESULT 18
US-07-681-701-7
; Sequence 7, Application US/07681701
; Patent No. 5574132
; GENERAL INFORMATION:
; APPLICANT: Lacroix, Martial
; TITLE OF INVENTION: PEPTIDES AND MIXTURES THEREOF FOR
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 17
```

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: FISH & NEAVE  
;; STREET: 875 Third Avenue  
;; CITY: New York  
;; STATE: New York  
;; COUNTRY: USA  
;; ZIP: 10022  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/07/681,701  
;; FILING DATE: 19910405  
;; CLASSIFICATION: 530  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Haley Jr., James F.  
;; REGISTRATION NUMBER: 27,794  
;; REFERENCE/DOCKET NUMBER: IAF-10  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 715-0742  
;; TELEFAX: (212) 715-0673  
;; TELEX: 14-8367  
;; INFORMATION FOR SEQ ID NO: 7:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 26 amino acids  
;; TYPE: AMINO ACID  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-07-681-701-7

Query Match 100.0%; Score 110; DB 1; Length 26;  
Best Local Similarity 100.0%; Pred. No. 1.2e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTNTNRRPQDVKFPFG 20  
Db 2 PQRKTNTNRRPQDVKFPFG 21

RESULT 19  
US-08-380-160-5  
; Sequence 5, Application US/08380160  
; Patent No. 6235284  
; GENERAL INFORMATION:  
; APPLICANT: DALBON, Pascal  
; APPLICANT: JOLIVET, Michel  
; TITLE OF INVENTION: SYNTHETIC POLYPEPTIDES BELONGING TO THE  
; TITLE OF INVENTION: HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY  
; TITLE OF INVENTION: FOR DETECTING THE LATTER  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OLIFF & BERRIDGE  
; STREET: P. O. Box 19928  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22320  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/380,160  
; FILING DATE:  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/057,471  
; FILING DATE: 06-MAY-1993  
; ATTORNEY/AGENT INFORMATION:

;; NAME: Berridge, William P.  
;; REGISTRATION NUMBER: 30,024  
;; REFERENCE/DOCKET NUMBER: WPB 28682  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703)836-6400  
;; TELEFAX: (703)836-2787  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 5:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 29 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; FRAGMENT TYPE: N-terminal  
;; ORIGINAL SOURCE:  
;; ORGANISM: Human Hepatitis C Virus  
US-08-380-160-5

Query Match 100.0%; Score 110; DB 3; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.4e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTNTNRRPQDVKFPFG 20  
Db 1 PQRKTNTNRRPQDVKFPFG 20

RESULT 20  
US-08-324-977-6  
; Sequence 6, Application US/08324977  
; Patent No. 5747339  
; GENERAL INFORMATION:  
; APPLICANT: OKAYAMA, Hiroto  
; APPLICANT: FURE, Isao  
; APPLICANT: MORI, Chisato  
; APPLICANT: TAKAMIZAWA, Akahisa  
; APPLICANT: YOSHIDA, Iwao  
; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC  
; TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Armstrong, Westerman, Hattori, McLealand &  
; ADDRESSEE: Naughton  
; STREET: 1725 K St. N.W. Suite 1000  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20006  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/324,977  
; FILING DATE: 18-OCT-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 2-167466  
; FILING DATE: 25-JUN-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 2-230921  
; FILING DATE: 31-AUG-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 2-305605  
; FILING DATE: 09-NOV-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/099,706  
; FILING DATE: 30-JUL-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/769,996

```
; FILING DATE: 02-OCT-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/635,451
; FILING DATE: 28-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens-Smith, Theresa M.
; REGISTRATION NUMBER: 36,281
; REFERENCE/DOCKET NUMBER: 900703B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2930
; TELEFAX: (202) 887-0357
; TELEX: 440142
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-324-977-6

Query Match 100.0%; Score 110; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPFG 20
Db 7 PORKTKNTNRRPQDVKFPFG 26

RESULT 21
US-08-384-616-6
; Sequence 6, Application US/08384616
; Patent No. 5847101
; GENERAL INFORMATION:
; APPLICANT: OKAYAMA, Hiroto
; APPLICANT: FUKU, Isao
; APPLICANT: MORI, Chisato
; APPLICANT: TAKAMIZAWA, Akahisa
; APPLICANT: YOSHIDA, Iwao
; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
; TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Armstrong, Westernman, Hattori, McLeLeland &
; ADDRESSEE: Naughton
; STREET: 1725 K St. N.W. Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/384,616
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/769,996
; FILING DATE: 02-OCT-1991
; APPLICATION NUMBER: JP 2-167466
; FILING DATE: 25-JUN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-230921
; FILING DATE: 31-AUG-1990
; APPLICATION NUMBER: JP 2-305605
; FILING DATE: 09-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/635,451
; FILING DATE: 28-DEC-1990

; FILING DATE: 02-OCT-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/635,451
; FILING DATE: 28-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens-Smith, Theresa M.
; REGISTRATION NUMBER: 36,281
; REFERENCE/DOCKET NUMBER: 900703D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2930
; TELEFAX: (202) 887-0357
; TELEX: 440142
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-384-616-6

Query Match 100.0%; Score 110; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPFG 20
Db 7 PORKTKNTNRRPQDVKFPFG 26

RESULT 22
US-08-904-686A-6
; Sequence 6, Application US/08904686A
; Patent No. 5998130
; GENERAL INFORMATION:
; APPLICANT: OKAYAMA, Hiroto
; APPLICANT: FUKU, Isao
; APPLICANT: MORI, Chisato
; APPLICANT: TAKAMIZAWA, Akahisa
; APPLICANT: YOSHIDA, Iwao
; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
; TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Armstrong, Westernman, Hattori, McLeLeland &
; ADDRESSEE: Naughton
; STREET: 1725 K St. N.W. Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/904,686A
; FILING DATE: 01-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/324,977
; FILING DATE: 18-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-167466
; FILING DATE: 25-JUN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-230921
; FILING DATE: 31-AUG-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-305605
; FILING DATE: 09-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/099,706
; FILING DATE: 30-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/769,996
; FILING DATE: 02-OCT-1991
; PRIOR APPLICATION DATA:
```

```
; APPLICATION NUMBER: US 07/635,451
; FILING DATE: 28-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: McLeLand, Le-Nhung
; REGISTRATION NUMBER: 31,541
; REFERENCE/DOCKET NUMBER: 900703G
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2930
; TELEFAX: (202) 887-0357
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-904-886A-6

Query Match 100.0%; Score 110; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPFG 20
| | | | | | | | | | | | | | | | | | | | | | | | | |
Db 7 PORKTKNTNRRPQDVKFPFG 26

RESULT 23
US-09-315-850-6
; Sequence 6, Application US/09315850
; Patent No. 6217872
; GENERAL INFORMATION:
; APPLICANT: OKAYAMA, Hiroto
; APPLICANT: FUKU, Isao
; APPLICANT: MORI, Chisato
; APPLICANT: TAKAMIZAWA, Akahisa
; APPLICANT: YOSHIDA, Iwao
; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
; TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Armstrong, Westerman, Hattori, McLeLand &
; ADDRESSEE: Naughton
; STREET: 1725 K St. N.W. Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,850
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/904,686
; FILING DATE: 01-AUG-1997
; APPLICATION NUMBER: US 08/324,977
; FILING DATE: 18-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-167466
; FILING DATE: 25-JUN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-230921
; FILING DATE: 31-AUG-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 2-305605
; FILING DATE: 09-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/099,706
; FILING DATE: 30-JUL-1993
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: US 07/769,996
; FILING DATE: 02-OCT-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/635,451
; FILING DATE: 28-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: McLeLand, Le-Nhung
; REGISTRATION NUMBER: 31,541
; REFERENCE/DOCKET NUMBER: 900703G
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2930
; TELEFAX: (202) 887-0357
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-315-850-6

Query Match 100.0%; Score 110; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPFG 20
| | | | | | | | | | | | | | | | | | | | | | | | | |
Db 7 PORKTKNTNRRPQDVKFPFG 26

RESULT 24
US-09-790-497A-47
; Sequence 47, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; TITLE OF INVENTION: CONTAINING THEM
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; TYPE: PRT
; LENGTH: 30
; ORGANISM: Hepatitis C virus
US-09-790-497A-47

Query Match 100.0%; Score 110; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPFG 20
| | | | | | | | | | | | | | | | | | | | | | | | | |
Db 5 PORKTKNTNRRPQDVKFPFG 24

RESULT 25
US-07-681-701-8
```

; Sequence 8, Application US/07681701  
; Patent No. 5874132  
; GENERAL INFORMATION:  
; APPLICANT: Lacroix, Martial  
; TITLE OF INVENTION: PEPTIDES AND MIXTURES THEREOF FOR  
; TITLE OF INVENTION:  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FISH & NEAVE  
; STREET: 875 Third Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10022  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/681,701  
; FILING DATE: 19910405  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haley Jr., James F.  
; REGISTRATION NUMBER: 27,794  
; REFERENCE/DOCKET NUMBER: IAF-10  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 715-0742  
; TELEFAX: (212) 715-0673  
; TELEX: 14-8387  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 31 amino acids  
; TYPE: AMINO ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-681-701-8

Query Match 100.0%; Score 110; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 1.5e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDVKFPG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 7 PQRKTKNTNRRPDVKFPG 26

RESULT 26  
US-08-146-028-47  
; Sequence 47, Application US/08146028  
; Patent No. 5891640  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
; TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
; NUMBER OF SEQUENCES: 453  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/146,028  
; INFORMATION FOR SEQ ID NO: 47:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 32 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear

; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: HCV  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 32  
US-08-146-028-47

Query Match 100.0%; Score 110; DB 2; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.5e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDVKFPG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 6 PQRKTKNTNRRPDVKFPG 25

RESULT 27  
US-08-146-028-136  
; Sequence 136, Application US/08146028  
; Patent No. 5891640  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
; TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
; NUMBER OF SEQUENCES: 453  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/146,028  
; INFORMATION FOR SEQ ID NO: 136:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 32 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: HCV  
; FEATURE:  
; NAME/KEY: Xaa is absent  
; LOCATION: 1  
; FEATURE:  
; NAME/KEY: Xaa is absent  
; LOCATION: 32  
US-08-146-028-136

Query Match 100.0%; Score 110; DB 2; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.5e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDVKFPG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 6 PQRKTKNTNRRPDVKFPG 25

RESULT 28  
US-08-723-425A-47  
; Sequence 47, Application US/08723425A  
; Patent No. 6165730  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT  
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF



```
; NAME/KEY: Modified-site
; LOCATION: 1
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 32
US-09-112-206-47

Query Match      100.0%; Score 110; DB 3; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PORKTKNTNRRPDVKFPG 20
   |||||
Db 6 PORKTKNTNRRPDVKFPG 25
   |||||

RESULT 31
US-09-112-206-136
; Sequence 136, Application US/09112206
; Patent No. 6210903
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES
; TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
; NUMBER OF SEQUENCES: 453
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/112,206
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/146,028
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 136:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 32 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 1
; FEATURE:
; NAME/KEY: Xaa is absent
; LOCATION: 32
US-09-112-206-136

Query Match      100.0%; Score 110; DB 3; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PORKTKNTNRRPDVKFPG 20
   |||||
Db 6 PORKTKNTNRRPDVKFPG 25
   |||||

RESULT 32
US-09-790-497A-136
; Sequence 136, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
```

```
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-136

Query Match      100.0%; Score 110; DB 4; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PORKTKNTNRRPDVKFPG 20
   |||||
Db 7 PORKTKNTNRRPDVKFPG 26
   |||||

RESULT 33
US-09-790-497A-402
; Sequence 402, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 402
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-402

Query Match      100.0%; Score 110; DB 4; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PORKTKNTNRRPDVKFPG 20
   |||||
```



QY 1 PQRKTKNTNRRPQDVKFFG 20  
Db 6 PQRKTKNTNRRPQDVKFFG 25

## RESULT 37

US-09-576-824A-402  
; Sequence 402, Application US/09576824A  
; Patent No. 6667387  
; GENERAL INFORMATION:  
; APPLICANT: De Leys, Robert  
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING  
; TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN  
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF  
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS  
; TITLE OF INVENTION: CONTAINING THEM  
; FILE REFERENCE: 2752-11  
; CURRENT APPLICATION NUMBER: US/09/576,824A  
; CURRENT FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 08/723,425  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: 09/146,028  
; PRIOR FILING DATE: 1993-11-22  
; PRIOR APPLICATION NUMBER: PCT/EP93/00517  
; PRIOR FILING DATE: 1993-03-08  
; PRIOR APPLICATION NUMBER: EP 92400598.6  
; PRIOR FILING DATE: 1992-03-06  
; NUMBER OF SEQ ID NOS: 600  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 402  
; LENGTH: 34  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)  
; OTHER INFORMATION: Xaa = modified site : when present, represents an  
; amino acid, amino group, or chemically modified  
; OTHER INFORMATION: amino terminus  
; NAME/KEY: VARIANT  
; LOCATION: (34)  
; OTHER INFORMATION: Xaa = modified site : when present, represents an  
; amino acid, OH-group, NH2-group, or a linkage  
; OTHER INFORMATION: involving these two groups  
US-09-576-824A-402

Query Match 100.0%; Score 110; DB 4; Length 34;  
Best Local Similarity 100.0%; Pred. No. 1.6e-10; Mismatches 0; Indels 0; Gaps 0;  
Matches 20; Conservative 0

QY 1 PQRKTKNTNRRPQDVKFFG 20  
Db 8 PQRKTKNTNRRPQDVKFFG 27

## RESULT 38

US-08-380-160-8  
; Sequence 8, Application US/08380160  
; Patent No. 6235284  
; GENERAL INFORMATION:  
; APPLICANT: DALBON, Pascal  
; APPLICANT: JOLIVET, Michel  
; TITLE OF INVENTION: SYNTHETIC POLYPEPTIDES BELONGING TO THE  
; HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY  
; FOR DETECTING THE LATTER  
; TITLE OF INVENTION: FOR DETECTING THE LATTER  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OLIFF & BERRIDGE  
; STREET: P. O. Box 19928  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA

ZIP: 22320  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/380,160  
; FILING DATE:  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/057,471  
; FILING DATE: 06-MAY-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Berridge, William P.  
; REGISTRATION NUMBER: 30,024  
; REFERENCE/DOCKET NUMBER: WPB 28682  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-6400  
; TELEFAX: (703)836-2787  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 39 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: N-terminal  
; ORIGINAL SOURCE:  
; ORGANISM: Human Hepatitis C Virus  
US-08-380-160-8

Query Match 100.0%; Score 110; DB 3; Length 39;  
Best Local Similarity 100.0%; Pred. No. 1.9e-10; Mismatches 0; Indels 0; Gaps 0;  
Matches 20; Conservative 0

QY 1 PQRKTKNTNRRPQDVKFFG 20  
Db 1 PQRKTKNTNRRPQDVKFFG 20

## RESULT 39

US-09-020-846-36  
; Sequence 36, Application US/09020846  
; Patent No. 6322965  
; GENERAL INFORMATION:  
; APPLICANT: YAMAGUCHI, Kenjiro  
; APPLICANT: KASHIWAKURA, Tomiko  
; APPLICANT: CHIBA, Yukie  
; APPLICANT: YAGI, Shintaro  
; APPLICANT: HASEGAWA, Akira  
; TITLE OF INVENTION: CHIMERA ANTIGEN PEPTIDE  
; NUMBER OF SEQUENCES: 72  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FOLEY & LARDNER  
; STREET: 3000 K Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/020,846  
; FILING DATE: 09-FEB-1998  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 9-027015  
FILING DATE: 10-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 8-024045  
FILING DATE: 09-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Wegner, Harold C.  
REGISTRATION NUMBER: 25,258  
REFERENCE/DOCKET NUMBER: 053466/0225  
TELEPHONE: (202) 672-5300  
TELEFAX: (202) 672-5399  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 43 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-020-846-36

Query Match 100.0%; Score 110; DB 4; Length 43;  
Best Local Similarity 100.0%; Pred. No. 2.1e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDVKFPG 20  
Db 7 PORKTKRNTNRRPDVKFPG 26

## RESULT 40

US-08-380-160-2  
Sequence 2, Application US/08380160  
Patent No. 6235284  
GENERAL INFORMATION:  
APPLICANT: DALEON, Pascal  
APPLICANT: JOLIVET, Michel  
TITLE OF INVENTION: SYNTHETIC POLYPEPTIDES BELONGING TO THE  
TITLE OF INVENTION: HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY  
TITLE OF INVENTION: FOR DETECTING THE LATTER  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OLIFF & BERRIDGE  
STREET: P. O. Box 19928  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22320  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/380,160  
FILING DATE:  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/057,471  
FILING DATE: 06-MAY-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Berridge, William P.  
REGISTRATION NUMBER: 30,024  
REFERENCE/DOCKET NUMBER: WPB 28682  
TELEPHONE: (703)836-6400  
TELEFAX: (703)836-2787  
TELEX:  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 44 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Human Hepatitis C Virus  
STRAIN: H77  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..44  
OTHER INFORMATION: /note= "N-terminal sequence of the  
OTHER INFORMATION: protein of the nucleocapside or CORE protein of  
OTHER INFORMATION: the human hepatitis C virus"  
US-08-380-160-2

Query Match 100.0%; Score 110; DB 3; Length 44;  
Best Local Similarity 100.0%; Pred. No. 2.1e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDVKFPG 20  
Db 6 PORKTKRNTNRRPDVKFPG 25

Search completed: July 20, 2004, 09:37:16  
Job time : 15 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 20, 2004, 09:34:06 ; Search time 40 Seconds  
(without alignments)  
156.280 Million cell updates/sec

Title: US-10-044-995-1

Perfect score: 106

Sequence: 1 MSTRIPKQRTKNTNRQ 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1285356 seqs, 312560742 residues

Total number of hits satisfying chosen parameters: 1285356

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	100.0	20	9 US-09-941-611-1	Sequence 1, Appli
2	106	100.0	20	14 US-10-044-995-1	Sequence 1, Appli
3	106	100.0	450	12 US-10-651-165-181	Sequence 181, App
4	106	100.0	2894	9 US-09-941-611-23	Sequence 23, Appl
5	106	100.0	2894	14 US-10-044-995-23	Sequence 23, Appl
6	104	98.1	100	12 US-10-651-165-232	Sequence 232, App
7	104	98.1	137	9 US-09-851-138-46	Sequence 46, Appl
8	99	93.4	30	12 US-10-296-734-408	Sequence 408, App
9	99	93.4	48	9 US-09-851-138-22	Sequence 22, Appl
10	99	93.4	53	12 US-10-431-587-3	Sequence 3, Appli
11	99	93.4	53	12 US-10-431-587-10	Sequence 10, Appl
12	99	93.4	53	12 US-10-431-587-11	Sequence 11, Appl
13	99	93.4	53	12 US-10-431-587-12	Sequence 12, Appl
14	99	93.4	73	12 US-10-431-587-13	Sequence 13, Appl
15	99	93.4	74	9 US-09-851-138-10	Sequence 10, Appl

16	99	93.4	74	12	US-10-651-165-198	Sequence 198, App
17	99	93.4	75	12	US-10-431-587-1	Sequence 1, Appli
18	99	93.4	75	12	US-10-431-587-4	Sequence 4, Appli
19	99	93.4	75	12	US-10-431-587-5	Sequence 5, Appli
20	99	93.4	75	12	US-10-431-587-6	Sequence 6, Appli
21	99	93.4	75	12	US-10-431-587-14	Sequence 14, Appl
22	99	93.4	75	12	US-10-431-587-16	Sequence 16, Appl
23	99	93.4	75	12	US-10-431-587-17	Sequence 17, Appl
24	99	93.4	75	12	US-10-431-587-18	Sequence 18, Appl
25	99	93.4	76	12	US-10-431-587-15	Sequence 15, Appl
26	99	93.4	91	9	US-09-758-308-1	Sequence 1, Appli
27	99	93.4	97	9	US-09-756-875-8	Sequence 8, Appli
28	99	93.4	103	9	US-09-921-397-77	Sequence 77, Appl
29	99	93.4	108	9	US-09-851-138-14	Sequence 14, Appl
30	99	93.4	109	9	US-09-851-138-6	Sequence 6, Appli
31	99	93.4	113	9	US-09-921-397-78	Sequence 78, Appl
32	99	93.4	120	12	US-09-306-780-4	Sequence 4, Appli
33	99	93.4	130	14	US-10-268-569-19	Sequence 19, Appl
34	99	93.4	138	9	US-09-851-138-60	Sequence 60, Appl
35	99	93.4	151	14	US-10-292-129-14	Sequence 14, Appl
36	99	93.4	161	12	US-09-306-780-8	Sequence 8, Appli
37	99	93.4	166	10	US-09-899-046-152	Sequence 152, App
38	99	93.4	166	10	US-09-878-281-152	Sequence 152, App
39	99	93.4	166	12	US-09-873-224-152	Sequence 152, App
40	99	93.4	169	10	US-09-899-046-42	Sequence 42, Appl
41	99	93.4	169	10	US-09-899-046-44	Sequence 44, Appl
42	99	93.4	169	10	US-09-878-281-42	Sequence 42, Appl
43	99	93.4	169	10	US-09-878-281-44	Sequence 44, Appl
44	99	93.4	169	12	US-09-873-224-42	Sequence 42, Appl
45	99	93.4	169	12	US-09-873-224-44	Sequence 44, Appl

ALIGNMENTS

RESULT 1

US-09-941-611-1  
; Sequence 1, Application US/09941611  
; Patent No. US20020106640A1  
; GENERAL INFORMATION:

APPLICANT: DELEYS, ROBERT J  
POLLET, DIRK  
MAERTENS, GEERT

VAN HEUVERSWUN, HUGO

TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
ANTIBODIES TO HEPATITIS C VIRUS

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHUYE P.C.

STREET: 1100 NORTH GLEBE ROAD

CITY: ARLINGTON

STATE: VA

COUNTRY: USA

ZIP: 22201

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/941,611

FILING DATE: 30-Aug-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/391,671

FILING DATE: 1995-02-21

APPLICATION NUMBER: WO PCT/EP91/02409

FILING DATE: 13-DEC-1991

APPLICATION NUMBER: EP 90124241.2

FILING DATE: 14-DEC-1990

ATTORNEY/AGENT INFORMATION:

NAME: SADOFF, B.J.

REGISTRATION NUMBER: 36,663

```

, REFERENCE/DOCKET NUMBER: 1487-5
,
, TELECOMMUNICATION INFORMATION:
,
, TELEPHONE: 7038164000
,
, TELEFAX: 7038164100
,
, INFORMATION FOR SEQ ID NO: 1:
,
, SEQUENCE CHARACTERISTICS:
,
, LENGTH: 20 amino acids
,
, TYPE: amino acid
,
, STRANDEDNESS: single
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, TOPOLOGY: linear
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, MOLECULE TYPE: peptide
,
, SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-941-611-1

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Query Match      100.0%; Score 106; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 2  
US-10-044-995-1  
Sequence 1, Application US/10044995  
Publication No. US20030049685A1  
GENERAL INFORMATION:  
APPLICANT: DELEYS, ROBERT J  
POLETT, DIRK  
MAERTENS, GEERT  
VAN HEUVERSWUN, HUGO  
TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
ANTIBODIES TO HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEEBO ROAD  
CITY: ARLINGTON  
STATE: VA

```

;      MOLECULE TYPE: peptide
;      SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-044-995-1

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Query Match      100.0%; Score 106; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 3
US-10-651-165-181
; Sequence 181, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
; APPLICANT: LEROUX-ROELS, Geert
; APPLICANT: DELEUX, Robert
; APPLICANT: MAERTENS, Geert
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
; FILE REFERENCE: 2551-94
; CURRENT APPLICATION NUMBER: US/10/651,165
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/08/974,690C
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: PCT/EP94/03555
; PRIOR FILING DATE: 1994-10-28
; PRIOR APPLICATION NUMBER: EP 93402718.6
; PRIOR FILING DATE: 1993-11-04
; NUMBER OF SEQ ID NOS: 286
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 181
; LENGTH: 450
; TYPE: PRT
; ORGANISM: hepatitis C virus
US-10-651-165-181

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Query Match      100.0%; Score 106; DB 12; Length 450;
Best Local Similarity 100.0%; Pred. No. 8.7e-07;
Matches 20: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 4  
US-09-941-611-23  
; Sequence 23, Application US/09941611  
; Patent No. US20020106640A1  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; POLLET, DIRK  
; MAERTENS, GEERT  
; VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHIVE P.C.  
; STREET: 1100 NORTH GLEBB ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941.611
; FILING DATE: 30-Aug-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/391.671
; FILING DATE: 1995-02-21
; APPLICATION NUMBER: WO PCT/EP91/02409
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: EP 90124241.2
; FILING DATE: 14-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2894 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-941-611-23
Query Match 100.0%; Score 106; DB 9; Length 2894;
Best Local Similarity 100.0%; Pred. No. 5.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRFPQ 20
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Db 1 MSTIPKPKQKTKNTNRFPQ 20

RESULT 5
US-10-044-995-23
; Sequence 23, Application US/10044995
; Publication No. US20030049685A1
; GENERAL INFORMATION:
; APPLICANT: POLLET, DIRK
; POLLET, DIRK
; VAN HEUVERSWUN, HUGO
; MAERTENS, GEERT
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
; ANTIBODIES TO HEPATITIS C VIRUS
;
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/044.995
; FILING DATE: 15-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/391.671
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 07/920.286
; FILING DATE: 14-OCT-1992
; APPLICATION NUMBER: WO PCT/EP91/02409

;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: EP 90124241.2
; FILING DATE: 14-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2894 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-044-995-23
Query Match 100.0%; Score 106; DB 14; Length 2894;
Best Local Similarity 100.0%; Pred. No. 5.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRFPQ 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 MSTIPKPKQKTKNTNRFPQ 20

RESULT 6
US-10-651-165-232
; Sequence 232, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
; APPLICANT: LEROUX-ROELS, Geert
; APPLICANT: DELEYS, Robert
; APPLICANT: MAERTENS, Geert
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
; VIRUS
; FILE REFERENCE: 2551-94
; CURRENT APPLICATION NUMBER: US/10/651.165
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/08/974.690C
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: PCT/EP94/03555
; PRIOR FILING DATE: 1994-10-28
; PRIOR APPLICATION NUMBER: EP 93402718.6
; PRIOR FILING DATE: 1993-11-04
; NUMBER OF SEQ ID NOS: 286
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
; LENGTH: 100
; TYPE: PRT
; ORGANISM: hepatitis C virus
; US-10-651-165-232
Query Match 98.1%; Score 104; DB 12; Length 100;
Best Local Similarity 95.0%; Pred. No. 3.8e-07;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRFPQ 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 MSTIPKPKQKTKNTNRFPQ 20

RESULT 7
US-09-851-138-46
; Sequence 46, Application US/09851138
; Publication No. US20020183508A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT
```

STUYVER, LIEVEN  
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
AGENTS  
NUMBER OF SEQUENCES: 207  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ARNOLD, WHITE & DURKEE  
CITY: HOUSTON  
STATE: TEXAS  
STREET: P.O. BOX 4433  
COUNTRY: USA  
ZIP: 77210-4433  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6.0 / ASCII text output  
CURRENT APPLICATION DATA:  
FILING DATE: 09-May-2001  
APPLICATION NUMBER: US/09/851,138  
PRIORITY APPLICATION DATA:  
FILING DATE: 08/836,075  
APPLICATION NUMBER: EP 94870166.9  
FILING DATE: 21 Oct 1994  
APPLICATION NUMBER: EP 95870076.7  
FILING DATE: 28 Jun 1995  
ATTORNEY/AGENT INFORMATION:  
NAME: KAMMERER, PATRICIA A.  
REGISTRATION NUMBER: 29,775  
REFERENCE/DOCKET NUMBER: INNS:004  
INFORMATION FOR SEQ ID NO: 46:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 137 amino acids  
TYPE: amino acid  
MOLECULE TYPE: peptide  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 46:  
US-09-851-138-46

Query Match 98.1%; Score 104; DB 9; Length 137;  
Best Local Similarity 95.0%; Pred. No. 5.2e-07;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTLPKPKQKTKNTNRRPQ 20  
Db 1 MSTLPKPKQKTKNTNRRPQ 20

RESULT 8  
US-10-296-734-408  
Sequence 408, Application US/10296734  
Publication No. US20040054137A1  
GENERAL INFORMATION:  
APPLICANT: Thompson, Scott A  
APPLICANT: Ramshaw, Ian A  
TITLE OF INVENTION: Synthetic molecules and uses therefor  
FILE REFERENCE: Savine  
CURRENT APPLICATION NUMBER: US/10/296,734  
CURRENT FILING DATE: 2003-08-04  
PRIOR APPLICATION NUMBER: AU PQ7761/00  
PRIOR FILING DATE: 2000-05-26  
NUMBER OF SEQ ID NOS: 1507  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 408  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: HepC 1a segment 1  
US-10-296-734-408

Query Match 93.4%; Score 99; DB 12; Length 30;

Best Local Similarity 95.0%; Pred. No. 5.8e-07;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 3 MSTNPKPKQKTKNTNRRPQ 22

RESULT 9  
US-09-851-138-22  
Sequence 22, Application US/09851138  
Publication No. US20020183508A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT  
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
AGENTS  
NUMBER OF SEQUENCES: 207  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ARNOLD, WHITE & DURKEE  
CITY: HOUSTON  
STATE: TEXAS  
STREET: P.O. BOX 4433  
COUNTRY: USA  
ZIP: 77210-4433  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6.0 / ASCII text output  
CURRENT APPLICATION DATA:  
FILING DATE: 09-May-2001  
APPLICATION NUMBER: US/09/851,138  
PRIORITY APPLICATION DATA:  
FILING DATE: 08/836,075  
APPLICATION NUMBER: EP 94870166.9  
FILING DATE: 21 Oct 1994  
APPLICATION NUMBER: EP 95870076.7  
FILING DATE: 28 Jun 1995  
ATTORNEY/AGENT INFORMATION:  
NAME: KAMMERER, PATRICIA A.  
REGISTRATION NUMBER: 29,775  
REFERENCE/DOCKET NUMBER: INNS:004  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 48 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
US-09-851-138-22

Query Match 93.4%; Score 99; DB 9; Length 48;  
Best Local Similarity 95.0%; Pred. No. 9.3e-07;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPKQKTKNTNRRPQ 20

RESULT 10  
US-10-431-587-3  
Sequence 3, Application US/10431587  
Publication No. US20040072267A1  
GENERAL INFORMATION:  
APPLICANT: BIORAD PASTEUR  
TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
against, an infectious microorganism  
FILE REFERENCE: BET 03P0456  
CURRENT APPLICATION NUMBER: US/10/431,587

; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-3

Query Match 93.4%; Score 99; DB 12; Length 53;  
Best Local Similarity 95.0%; Pred. No. 1e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
||| |||||  
Db 1 MSTNPKPKQKTKNTNRRPQ 20  
||| |||||

## RESULT 11

US-10-431-587-10  
; Sequence 10, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BT 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 10  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-10

Query Match 93.4%; Score 99; DB 12; Length 53;  
Best Local Similarity 95.0%; Pred. No. 1e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
||| |||||  
Db 1 MSTNPKPKQKTKNTNRRPQ 20  
||| |||||

## RESULT 12

US-10-431-587-11  
; Sequence 11, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BT 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-11

Query Match 93.4%; Score 99; DB 12; Length 53;  
Best Local Similarity 95.0%; Pred. No. 1e-06;

Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
||| |||||  
Db 1 MSTNPKPKQKTKNTNRRPQ 20  
||| |||||

## RESULT 13

US-10-431-587-12  
; Sequence 12, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BT 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-12

Query Match 93.4%; Score 99; DB 12; Length 53;  
Best Local Similarity 95.0%; Pred. No. 1e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
||| |||||  
Db 1 MSTNPKPKQKTKNTNRRPQ 20  
||| |||||

## RESULT 14

US-10-431-587-13  
; Sequence 13, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BT 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-13

Query Match 93.4%; Score 99; DB 12; Length 73;  
Best Local Similarity 95.0%; Pred. No. 1.4e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
||| |||||  
Db 1 MSTNPKPKQKTKNTNRRPQ 20  
||| |||||

## RESULT 15

US-09-851-138-10  
; Sequence 10, Application US/09851138  
; Publication No. US20020183508A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT

```
; STUYVER, LIEVEN
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
; AGENTS
;
; NUMBER OF SEQUENCES: 207
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
;
; CURRENT APPLICATION DATA:
; FILING DATE: 09-May-2001
; PRIORITY APPLICATION NUMBER: US/09/851,138
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/836,075
; FILING DATE: <unknown>
; APPLICATION NUMBER: EP 94870166.9
; FILING DATE: 21 Oct 1994
; APPLICATION NUMBER: EP 95870076.7
; FILING DATE: 28 Jun 1995
;
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:004
;
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-851-138-10

Query Match 93.4%; Score 99; DB 9; Length 74;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
Db 1 MSTNPKPKQKTKNTNRRPQ 20

RESULT 16
US-10-651-165-198
; Sequence 198, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
; APPLICANT: LEROUX-ROELS, Geert
; APPLICANT: DELEYS, Robert
; APPLICANT: MAERTENS, Geert
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
; FILE REFERENCE: 2551-94
; CURRENT APPLICATION NUMBER: US/10/651,165
; PRIOR FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/08/974,690C
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: PCT/EP94/03555
; PRIOR FILING DATE: 1994-10-28
; PRIOR APPLICATION NUMBER: EP 93402718.6
; PRIOR FILING DATE: 1993-11-04
; NUMBER OF SEQ ID NOS: 286
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 198
; LENGTH: 74
; TYPE: PRT
```

```
; ORGANISM: hepatitis C virus
US-10-651-165-198

Query Match 93.4%; Score 99; DB 12; Length 74;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
Db 1 MSTNPKPKQKTKNTNRRPQ 20

RESULT 17
US-10-431-587-1
; Sequence 1, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-1

Query Match 93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
Db 1 MSTNPKPKQKTKNTNRRPQ 20

RESULT 18
US-10-431-587-4
; Sequence 4, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-4

Query Match 93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
Db 1 MSTNPKPKQKTKNTNRRPQ 20

RESULT 19
US-10-431-587-4
; Sequence 4, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-4

Query Match 93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
Db 1 MSTNPKPKQKTKNTNRRPQ 20
```

```
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (45)..(45)
; OTHER INFORMATION: bala
US-10-431-587-14

Query Match          93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MSTIPKPKRKTNRNRRPQ 20
       ||| ||||| ||||| |||||
DB      1 MSTNPKPKRKTNRNRRPQ 20

RESULT 22
US-10-431-587-16
; Sequence 16, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (29)..(29)
; OTHER INFORMATION: Nle
US-10-431-587-16

Query Match          93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MSTIPKPKRKTNRNRRPQ 20
       ||| ||||| ||||| |||||
DB      1 MSTNPKPKRKTNRNRRPQ 20

RESULT 23
US-10-431-587-17
; Sequence 17, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
```

## US-10-431-587-17

Query Match 93.4%; Score 99; DB 12; Length 75;  
Best Local Similarity 95.0%; Pred. No. 1.4e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPKQKTKNTNRRPQ 20

## RESULT 24

US-10-431-587-18  
Sequence 18, Application US/10431587  
Publication No. US20040072267A1  
GENERAL INFORMATION:  
APPLICANT: BIORAD PASTEUR  
TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody against, an infectious microorganism  
FILE REFERENCE: BET 03P0456  
CURRENT APPLICATION NUMBER: US/10/431,587  
CURRENT FILING DATE: 2003-05-08  
PRIOR APPLICATION NUMBER: FR 0205808  
PRIOR FILING DATE: 2002-05-10  
NUMBER OF SEQ ID NOS: 33  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 18  
LENGTH: 75  
TYPE: PRT  
ORGANISM: Hepatitis C virus  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (35)-(35)  
OTHER INFORMATION: homo-serine

## US-10-431-587-18

Query Match 93.4%; Score 99; DB 12; Length 75;  
Best Local Similarity 95.0%; Pred. No. 1.4e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPKQKTKNTNRRPQ 20

## RESULT 25

US-10-431-587-15  
Sequence 15, Application US/10431587  
Publication No. US20040072267A1  
GENERAL INFORMATION:  
APPLICANT: BIORAD PASTEUR  
TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody against, an infectious microorganism  
FILE REFERENCE: BET 03P0456  
CURRENT APPLICATION NUMBER: US/10/431,587  
CURRENT FILING DATE: 2003-05-08  
PRIOR APPLICATION NUMBER: FR 0205808  
PRIOR FILING DATE: 2002-05-10  
NUMBER OF SEQ ID NOS: 33  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 15  
LENGTH: 76  
TYPE: PRT  
ORGANISM: Hepatitis C virus

## US-10-431-587-15

Query Match 93.4%; Score 99; DB 12; Length 76;  
Best Local Similarity 95.0%; Pred. No. 1.5e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPKQKTKNTNRRPQ 20

## RESULT 26

US-09-758-308-1  
Sequence 1, Application US/09758308  
Patent No. US20020090607A1  
GENERAL INFORMATION:  
APPLICANT: HOWARD A. FIELDS AND YURY E. KHUDYAKOV  
TITLE OF INVENTION: ANTIGENIC EPITOPES AND MOSAIC POLYPEPTIDES OF HEPATITIS C VIRUS  
FILE REFERENCE: 14114.034902  
CURRENT APPLICATION NUMBER: US/09/758,308  
CURRENT FILING DATE: 2001-01-10  
PRIOR APPLICATION NUMBER: 60/092,339  
PRIOR FILING DATE: 1999-07-10  
NUMBER OF SEQ ID NOS: 5  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 1  
LENGTH: 91  
TYPE: PRT  
ORGANISM: Hepatitis C Virus

## US-09-758-308-1

Query Match 93.4%; Score 99; DB 9; Length 91;  
Best Local Similarity 95.0%; Pred. No. 1.7e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPKQKTKNTNRRPQ 20

## RESULT 27

US-09-756-875-8  
Sequence 8, Application US/09756875  
Patent No. US20020150990A1  
GENERAL INFORMATION:  
APPLICANT: PIKE, IAN  
TITLE OF INVENTION: HEPATITIS C VIRUS PEPTIDES  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Suite 701-E Columbia Square  
STREET: 555 13th Street, N. W.  
CITY: Washington  
STATE: D. C.  
COUNTRY: U. S.  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
FILING DATE: US/09/756,875  
CLASSIFICATION:  
PRIOR APPLICATION DATA: US 08/259,721  
FILING DATE: 29-AUG-1994  
APPLICATION NUMBER: PCT/GB93/00410  
FILING DATE: 26-FEB-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: ERNST, BARBARA G.  
REGISTRATION NUMBER: 30,377  
REFERENCE/DOCKET NUMBER: 1808-157A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202)783-6040  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide

US-09-756-875-8

Query Match 93.4%; Score 99; DB 9; Length 97;  
Best Local Similarity 95.0%; Pred. No. 1.8e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKQKTKNTNRPPQ 20  
Db 1 MSTNPKPQKTKNTNRPPQ 20

RESULT 28

US-09-921-397-77

/ Sequence 77, Application US/09921397  
/ Patent No. US20020151484A1  
/ GENERAL INFORMATION:  
/ APPLICANT: HYBRIGENICS  
/ TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a  
/ TITLE OF INVENTION: pathogenic strain of the hepatitis C virus and  
/ TITLE OF INVENTION: applications thereof  
/ FILE REFERENCE: B4809A - JAZ  
/ CURRENT APPLICATION NUMBER: US/09/921,397  
/ CURRENT FILING DATE: 2001-08-02  
/ PRIOR APPLICATION NUMBER: EP 00402225.7  
/ PRIOR FILING DATE: 2000-08-03  
/ NUMBER OF SEQ ID NOS: 156  
/ SOFTWARE: Patent in Ver. 2.1  
/ SEQ ID NO 77  
/ LENGTH: 103  
/ TYPE: PRT  
/ ORGANISM: Hepatitis C virus  
US-09-921-397-77

Query Match 93.4%; Score 99; DB 9; Length 103;  
Best Local Similarity 95.0%; Pred. No. 2e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKQKTKNTNRPPQ 20  
Db 14 MSTNPKPQKTKNTNRPPQ 33

RESULT 29

US-09-851-138-14

/ Sequence 14, Application US/09851138  
/ Publication No. US20020183508A1  
/ GENERAL INFORMATION:  
/ APPLICANT: MAERTENS, GEERT  
/ TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
/ AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
/ AGENTS  
/ NUMBER OF SEQUENCES: 207  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: ARNOLD, WHITE & DURKEE  
/ STREET: P.O. BOX 4433  
/ CITY: HOUSTON  
/ STATE: TEXAS  
/ COUNTRY: USA  
/ ZIP: 77210-4433  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Microsoft Word 6.0 / ASCII text output  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/851,138  
/ FILING DATE: 09-May-2001  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 08/836,075  
/ FILING DATE: <Unknown>  
/ APPLICATION NUMBER: EP 94870166.9  
/ FILING DATE: 21 Oct 1994

APPLICATION NUMBER: EP 95870076.7

FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REFERENCE/DOCKET NUMBER: INNS:004

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 108 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 14:

US-09-851-138-14

Query Match 93.4%; Score 99; DB 9; Length 108;  
Best Local Similarity 95.0%; Pred. No. 2.1e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKQKTKNTNRPPQ 20  
Db 1 MSTNPKPQKTKNTNRPPQ 20

RESULT 30

US-09-851-138-6

/ Sequence 6, Application US/09851138  
/ Publication No. US20020183508A1  
/ GENERAL INFORMATION:  
/ APPLICANT: MAERTENS, GEERT  
/ TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
/ AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
/ AGENTS  
/ NUMBER OF SEQUENCES: 207  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: ARNOLD, WHITE & DURKEE  
/ STREET: P.O. BOX 4433  
/ CITY: HOUSTON  
/ STATE: TEXAS  
/ COUNTRY: USA  
/ ZIP: 77210-4433  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Microsoft Word 6.0 / ASCII text output  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/851,138  
/ FILING DATE: 09-May-2001  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 08/836,075  
/ FILING DATE: <Unknown>  
/ APPLICATION NUMBER: EP 94870166.9  
/ FILING DATE: 21 Oct 1994  
/ APPLICATION NUMBER: EP 95870076.7  
/ FILING DATE: 28 Jun 1995  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: KAMMERER, PATRICIA A.  
/ REGISTRATION NUMBER: 29,775  
/ REFERENCE/DOCKET NUMBER: INNS:004  
/ INFORMATION FOR SEQ ID NO: 6:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 109 amino acids  
/ TYPE: amino acid  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-851-138-6

Query Match 93.4%; Score 99; DB 9; Length 109;  
Best Local Similarity 95.0%; Pred. No. 2.1e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSTIPKPKQKTKRNTNRRPQ 20  
Db 1 MSTNPKPKQKTKRNTNRRPQ 20

RESULT 31  
US-09-921-397-78  
; Sequence 78, Application US/09921397  
; Patent No. US20020151484A1  
; GENERAL INFORMATION:  
; APPLICANT: HYBRIGENICS  
; TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a  
; TITLE OF INVENTION: pathogenic strain of the hepatitis C virus and  
; TITLE OF INVENTION: applications thereof  
; FILE REFERENCE: B4809A - JAZ  
; CURRENT APPLICATION NUMBER: US/09/921.397  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: EP 00402225.7  
; PRIOR FILING DATE: 2000-08-03  
; NUMBER OF SEQ ID NOS: 156  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 78  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-09-921-397-78

Query Match 93.4%; Score 99; DB 9; Length 113;  
Best Local Similarity 95.0%; Pred. No. 2.1e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSTIPKPKQKTKRNTNRRPQ 20  
Db 1 MSTNPKPKQKTKRNTNRRPQ 20

RESULT 32  
US-09-306-780-4  
; Sequence 4, Application US/09306780  
; Publication No. US20010051336A1  
; GENERAL INFORMATION:  
; APPLICANT: TAKEMURA, FUMINORI  
; UENO, EIICHI  
; ITOH, SATORU  
; TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD  
; OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND  
; IMMUNOASSAY USING THE POLYPEPTIDE.  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/306,780  
; FILING DATE: 07-May-1999  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/841.657A  
; FILING DATE: 30-APR-1997  
; APPLICATION NUMBER: JP 8-134444  
; FILING DATE: 01-MAY-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.

; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 2084-033-0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 413-3000  
; TELEFAX: (703) 413-2220  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 120 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-306-780-4

Query Match 93.4%; Score 99; DB 12; Length 120;  
Best Local Similarity 95.0%; Pred. No. 2.3e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSTIPKPKQKTKRNTNRRPQ 20  
Db 1 MSTNPKPKQKTKRNTNRRPQ 20

RESULT 33  
US-10-268-569-19  
; Sequence 19, Application US/10268569  
; Publication No. US20030152965A1  
; GENERAL INFORMATION:  
; APPLICANT: Ortho-Clinical Diagnostics, Inc.  
; TITLE OF INVENTION: HCV Core Protein Sequences  
; FILE REFERENCE: CDS-0288  
; CURRENT APPLICATION NUMBER: US/10/268,569  
; CURRENT FILING DATE: 2002-10-10  
; PRIOR APPLICATION NUMBER: 60/347,303  
; PRIOR FILING DATE: 2001-11-11  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 130  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-268-569-19

Query Match 93.4%; Score 99; DB 14; Length 130;  
Best Local Similarity 95.0%; Pred. No. 2.5e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSTIPKPKQKTKRNTNRRPQ 20  
Db 1 MSTNPKPKQKTKRNTNRRPQ 20

RESULT 34  
US-09-851-138-60  
; Sequence 60, Application US/09851138  
; Publication No. US20020183508A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT  
; STUYVER, LIEVEN  
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
; AGENTS  
; NUMBER OF SEQUENCES: 207  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ARNOLD, WHITE & DURKEE  
; STREET: P.O. BOX 4433  
; CITY: HOUSTON  
; STATE: TEXAS  
; COUNTRY: USA  
; ZIP: 77210-4433  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6.0 / ASCII text output  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/851.138  
FILING DATE: 09-May-2001  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/836,075  
FILING DATE: <Unknown>  
APPLICATION NUMBER: EP 94870166.9  
FILING DATE: 21 Oct 1994  
APPLICATION NUMBER: EP 95870076.7  
FILING DATE: 28 Jun 1995  
ATTORNEY/AGENT INFORMATION:  
NAME: KAMMERER, PATRICIA A.  
REGISTRATION NUMBER: 29,775  
REFERENCE/DOCKET NUMBER: INNS:004  
INFORMATION FOR SEQ ID NO: 60:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 138 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 60:  
US-09-851-138-60

Query Match 93.4%; Score 99; DB 9; Length 138;  
Best Local Similarity 95.0%; Pred. No. 2.6e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPQKTKNTNRRPQ 20

## RESULT 35

US-10-292-129-14  
Sequence 14, Application US/10292129  
Publication No. US20030148267A1  
GENERAL INFORMATION:  
APPLICANT: Chung, Raymond Taeyong  
TITLE OF INVENTION: SCREENING ASSAY FOR HEPATITIS C VIRUS  
FILE REFERENCE: 00786-539001  
CURRENT FILING DATE: 2002-11-08  
PRIOR APPLICATION NUMBER: US/10/292,129  
PRIOR FILING DATE: 2001-11-09  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 14  
LENGTH: 151  
TYPE: PRT  
ORGANISM: Hepatitis C virus  
US-10-292-129-14

Query Match 93.4%; Score 99; DB 14; Length 151;  
Best Local Similarity 95.0%; Pred. No. 2.9e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 1 MSTNPKPQKTKNTNRRPQ 20

## RESULT 36

US-09-306-780-8  
Sequence 8, Application US/09306780  
Publication No. US20010051336A1  
GENERAL INFORMATION:  
APPLICANT: TAKEMURA, FUMINORI  
UENO, EIICHI  
ITO, SATORU

TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD  
OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND  
IMMUNOASSAY USING THE POLYPEPTIDE.

NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:

ADDRESSES: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
P.C.

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
CITY: ARLINGTON  
STATE: VA

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/306,780

FILING DATE: 07-May-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/841,657A

FILING DATE: 30-APR-1997

APPLICATION NUMBER: JP 8-134444

FILING DATE: 01-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 2084-033-0

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 161 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-09-306-780-8

Query Match 93.4%; Score 99; DB 12; Length 161;  
Best Local Similarity 95.0%; Pred. No. 3e-06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
Db 6 MSTNPKPQKTKNTNRRPQ 25

## RESULT 37

US-09-899-046-152  
Sequence 152, Application US/09899046  
Publication No. US20030008274A1  
GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: New sequences of hepatitis C virus

TITLE OF INVENTION: genotypes for diagnosis, prophylaxis and therapy.

NUMBER OF SEQUENCES: 270

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,046

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/362,455

FILING DATE:

INFORMATION FOR SEQ ID NO: 152:

SEQUENCE CHARACTERISTICS:

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;
; LENGTH: 166 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-899-046-152
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; FILING DATE: 05-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Innogenetics sa.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 00 32 9 241 07 11
; TELEFAX: 00 32 9 241 07 99
;
; INFORMATION FOR SEQ ID NO: 152:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 152:
US-09-873-224-152
;
; Query Match 93.4%; Score 99; DB 10; Length 166;
; Best Local Similarity 95.0%; Pred. No. 3.1e-06;
; Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 MSTIPKPKQKTKNTNRRPQ 20
| | | | | | | | | | | | | | | | | | | |
Db 1 MSTNPKPKQKTKNTNRRPQ 20
| | | | | | | | | | | | | | | | | | | |

RESULT 38
US-09-878-281-152
; Sequence 152, Application US/09878281
; Publication No. US20030032005A1
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: New sequences of hepatitis C virus
; genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/09/878,281
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 152:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-878-281-152
;
; Query Match 93.4%; Score 99; DB 10; Length 166;
; Best Local Similarity 95.0%; Pred. No. 3.1e-06;
; Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 MSTIPKPKQKTKNTNRRPQ 20
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Db 1 MSTNPKPKQKTKNTNRRPQ 20
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RESULT 39
US-09-873-224-152
; Sequence 152, Application US/09873224
; Publication No. US20030064360A1
; GENERAL INFORMATION:
; APPLICANT: <Unknown>
; TITLE OF INVENTION: New sequences of hepatitis C virus
; genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; CORRESPONDENCE ADDRESS:
; STREET: Industriepark Zwijnaarde 7, box 4
; CITY: Ghent
; COUNTRY: Belgium
; ZIP: B-9052
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/873,224
;
; Search completed: July 20, 2004, 09:45:29
; Job time : 41 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 20, 2004, 09:34:06 ; Search time 40 Seconds  
(without alignments)  
156.280 Million cell updates/sec

Title: US-10-044-995-2

Perfect score: 110

Sequence: 1 PQRKTKRNTNRPPQDVKFG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1285356 seqs, 312560742 residues

Total number of hits satisfying chosen parameters: 1285356

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110	100.0	20	9	US-09-941-611-2
2	110	100.0	20	14	US-10-044-995-2
3	110	100.0	30	12	US-10-296-734-408
4	110	100.0	44	14	US-10-367-677-1
5	110	100.0	48	9	US-09-851-138-22
6	110	100.0	53	12	US-10-431-587-3
7	110	100.0	53	12	US-10-431-587-10
8	110	100.0	53	12	US-10-431-587-11
9	110	100.0	53	12	US-10-431-587-12
10	110	100.0	63	12	US-10-431-587-2
11	110	100.0	63	12	US-10-431-587-7
12	110	100.0	63	12	US-10-431-587-8
13	110	100.0	70	12	US-10-431-587-9
14	110	100.0	73	12	US-10-431-587-13
15	110	100.0	74	9	US-09-851-138-10

16	110	100.0	74	12	US-10-651-165-198	Sequence 198, Appl
17	110	100.0	75	12	US-10-431-587-1	Sequence 1, Appli
18	110	100.0	75	12	US-10-431-587-4	Sequence 4, Appli
19	110	100.0	75	12	US-10-431-587-5	Sequence 5, Appli
20	110	100.0	75	12	US-10-431-587-6	Sequence 6, Appli
21	110	100.0	75	12	US-10-431-587-14	Sequence 14, Appl
22	110	100.0	75	12	US-10-431-587-16	Sequence 16, Appl
23	110	100.0	75	12	US-10-431-587-17	Sequence 17, Appl
24	110	100.0	75	12	US-10-431-587-18	Sequence 18, Appl
25	110	100.0	76	12	US-10-431-587-15	Sequence 15, Appl
26	110	100.0	91	9	US-09-758-308-1	Sequence 1, Appli
27	110	100.0	97	9	US-09-756-875-8	Sequence 8, Appli
28	110	100.0	100	12	US-10-651-165-232	Sequence 232, App
29	110	100.0	103	9	US-09-921-397-77	Sequence 77, Appl
30	110	100.0	108	9	US-09-851-138-14	Sequence 14, Appl
31	110	100.0	113	9	US-09-921-397-78	Sequence 78, Appl
32	110	100.0	120	12	US-09-306-780-4	Sequence 4, Appli
33	110	100.0	130	14	US-10-268-569-19	Sequence 19, Appl
34	110	100.0	137	9	US-09-851-138-46	Sequence 46, Appl
35	110	100.0	138	9	US-09-851-138-60	Sequence 60, Appl
36	110	100.0	151	14	US-10-292-129-14	Sequence 14, Appl
37	110	100.0	161	12	US-09-306-780-8	Sequence 8, Appli
38	110	100.0	166	10	US-09-899-046-152	Sequence 152, App
39	110	100.0	166	10	US-09-878-281-152	Sequence 152, App
40	110	100.0	166	12	US-09-873-224-152	Sequence 152, App
41	110	100.0	169	10	US-09-899-046-42	Sequence 42, Appl
42	110	100.0	169	10	US-09-899-046-44	Sequence 44, Appl
43	110	100.0	169	10	US-09-878-281-42	Sequence 42, Appl
44	110	100.0	169	10	US-09-878-281-44	Sequence 44, Appl
45	110	100.0	169	12	US-09-873-224-42	Sequence 42, Appl

ALIGNMENTS

RESULT 1

US-09-941-611-2  
; Sequence 2, Application US/09941611  
; Patent No. US20020106640A1  
; GENERAL INFORMATION:

APPLICANT: DELEYS, ROBERT J  
POULET, DIRK  
MAERTENS, GEERT  
VAN HEUVERSUN, HUGO

TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
ANTIBODIES TO HEPATITIS C VIRUS

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHYE P.C.

STREET: 1100 NORTH GLEBE ROAD

CITY: ARLINGTON

STATE: VA

COUNTRY: USA

ZIP: 22201

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

APPLICATION NUMBER: US/09/941,611

FILING DATE: 30-Aug-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/391,671

FILING DATE: 1995-02-21

APPLICATION NUMBER: WO PCT/EP91/02409

FILING DATE: 13-DEC-1991

APPLICATION NUMBER: EP 90124241.2

FILING DATE: 14-DEC-1990

ATTORNEY/AGENT INFORMATION:

NAME: SADOFF, B.J.

REGISTRATION NUMBER: 36,663

```
; REFERENCE/DOCKET NUMBER: 1487-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-941-611-2

Query Match      100.0%; Score 110; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 9e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTENTNRRPQDVKFPFG 20
Db 1 PQRKTENTNRRPQDVKFPFG 20

RESULT 2
US-10-044-995-2
; Sequence 2, Application US/10044995
; Publication No. US20030049685A1
; GENERAL INFORMATION:
; APPLICANT: DELEYS, ROBERT J
; POLLET, DIRK
; VAN HEUVERSWUN, HUGO
; MAERTENS, GEERT
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
; ANTIBODIES TO HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/044,995
; FILING DATE: 15-Jan-2002
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/391,671
; FILING DATE: <unknown>
; APPLICATION NUMBER: US 07/920,286
; FILING DATE: 14-OCT-1992
; APPLICATION NUMBER: WO PCT/EP91/02409
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: EP 90134241.2
; FILING DATE: 14-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-044-995-2

Query Match      100.0%; Score 110; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 9e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTENTNRRPQDVKFPFG 20
Db 1 PQRKTENTNRRPQDVKFPFG 20

RESULT 3
US-10-296-734-408
; Sequence 408, Application US/10296734
; Publication No. US20040054137A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Scott A
; APPLICANT: Ramshaw, Ian A
; TITLE OF INVENTION: Synthetic molecules and uses therefor
; FILE REFERENCES: Savine
; CURRENT APPLICATION NUMBER: US/10/296,734
; CURRENT FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: AU PQ7761/00
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 1507
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 408
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: HepC 1a segment 1
US-10-296-734-408

Query Match      100.0%; Score 110; DB 12; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTENTNRRPQDVKFPFG 20
Db 9 PQRKTENTNRRPQDVKFPFG 28

RESULT 4
US-10-367-677-1
; Sequence 1, Application US/10367677
; Publication No. US20030118604A1
; GENERAL INFORMATION:
; APPLICANT: JOLIVET, MICHEL
; APPLICANT: PENIN, FRANCOIS
; APPLICANT: DALBON, PASCAL
; APPLICANT: LADAVIERE, LAURENT
; APPLICANT: LACOUX, XAVIER
; TITLE OF INVENTION: ANTIGENIC STRUCTURAL PEPTIDE, ANTIGENIC AND IMMUNOGENIC
; COMPOUNDS, AND USES FOR DETECTING, PREVENTING AND
; TREATING AN HCV INFECTION
; FILE REFERENCES: 103959
; CURRENT APPLICATION NUMBER: US/10/367,677
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: US/09/389,756
; PRIOR FILING DATE: 1999-09-07
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/FR98/00442
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; PUBLICATION INFORMATION:
; AUTHORS: Ogata, N. et al.
```

; TITLE: Nucleotide Sequence and Mutation Rate of the H Strain  
; TITLE: of Hepatitis Virus  
; JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
; VOLUME: 88  
; PAGES: 3392-3396  
; DATE: 1991  
; RELEVANT RESIDUES: 2 TO 45  
US-10-367-677-1

Query Match 100.0%; Score 110; DB 14; Length 44;  
Best Local Similarity 100.0%; Pred. No. 2.1e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTGNTNRRPDQVKFPG 20  
DB 6 PQRKTGNTNRRPDQVKFPG 25

RESULT 5  
US-09-851-138-22  
; Sequence 22, Application US/09851138  
; Publication No. US20020183508A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT  
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
; AGENTS  
; NUMBER OF SEQUENCES: 207  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ARNOLD, WHITE & DURKEE  
; STREET: P.O. BOX 4433  
; CITY: HOUSTON  
; STATE: TEXAS  
; COUNTRY: USA  
; ZIP: 77210-4433  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word 6.0 / ASCII text output  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/851.138  
; FILING DATE: 09-May-2001  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/836.075  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: EP 94870166.9  
; FILING DATE: 21 Oct 1994  
; APPLICATION NUMBER: EP 95870076.7  
; FILING DATE: 28 Jun 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: KAMMERER, PATRICIA A.  
; REGISTRATION NUMBER: 29,775  
; REFERENCE/DOCKET NUMBER: INNS:004  
; INFORMATION FOR SEQ ID NO: 22:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 48 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:

Query Match 100.0%; Score 110; DB 9; Length 48;  
Best Local Similarity 100.0%; Pred. No. 2.3e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTGNTNRRPDQVKFPG 20  
DB 7 PQRKTGNTNRRPDQVKFPG 26

RESULT 6  
US-10-431-587-3  
; Sequence 3, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 3  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-3

Query Match 100.0%; Score 110; DB 12; Length 53;  
Best Local Similarity 100.0%; Pred. No. 2.5e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTGNTNRRPDQVKFPG 20  
DB 7 PQRKTGNTNRRPDQVKFPG 26

RESULT 7  
US-10-431-587-10  
; Sequence 10, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 10  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-10

Query Match 100.0%; Score 110; DB 12; Length 53;  
Best Local Similarity 100.0%; Pred. No. 2.5e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTGNTNRRPDQVKFPG 20  
DB 7 PQRKTGNTNRRPDQVKFPG 26

RESULT 8  
US-10-431-587-11  
; Sequence 11, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10

```

; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 53
; TYPE: prt
; ORGANISM: Hepatitis C virus
US-10-431-587-11

```

Query Match 100.0%; Score 110; DB 12; Length 53;  
Best Local Similarity 100.0%; Pred. No. 2.5e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels

Qy 1 PQRKTGNTNRRPQDVKFPG 20  
|||  
pb 7 PQRKTGNTNRRPQDVKFPG 26

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RESULT 9
US-10-431-587-12
; Sequence 12, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneous
; TITLE OF INVENTION: against, an infection
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-12

```

```
Query Match      100.0%; Score 110; DB 12; Length 53;
Best Local Similarity 100.0%; Pred. No. 2.5e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 PQRKTRNTNRRPQDVKFG 20  
|||||  
Db 7 PQRKTRNTNRRPQDVKFG 26

```

RESULT 10
US-10-431-587-2
; Sequence 2, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; TITLE OF INVENTION: against, an infectious microorganism
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-2

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```
Query Match      100.0%; Score 110; DB 12; Length 63;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 PQRKTRNTNRRRPQDVKFG 20

Db 2 PQRKTGRNTNRRPQDVKFPG 21

RESULT 11  
US-10-431-587-7  
Sequence 7, Application US/10431587  
Publication No. US20040072267A1  
GENERAL INFORMATION:  
APPLICANT: BIORAD PASTEUR  
TITLE OF INVENTION: Method for simulating an infection against, an individual  
FILE REFERENCE: BET 03P0456  
CURRENT APPLICATION NUMBER: US/10-431-587-7  
CURRENT FILING DATE: 2003-05-08  
PRIOR APPLICATION NUMBER: FR 0205810  
PRIOR FILING DATE: 2002-05-10  
NUMBER OF SEQ ID NOS: 33  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 7  
LENGTH: 63  
TYPE: PRT  
ORGANISM: Hepatitis C virus  
US-10-431-587-7

```
Query Match      100.0%; Score 110; DB 12; Length 63;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 20: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 PQRKTRNTNRRPQDVKFG 20  
|||  
Db 2 PQRKTRNTNRRPQDVKFG 21

```

RESULT 12
US-10-431-587-8
/ Sequence 8, Application US/10431587
/ Publication NO. US20040072267A1
/ GENERAL INFORMATION:
/ APPLICANT: BIORAD PASTEUR
/ TITLE OF INVENTION: Method for simulating an infection against, an individual
/ FILE REFERENCE: BET 03P0456
/ CURRENT APPLICATION NUMBER: US/10/000000
/ CURRENT FILING DATE: 2003-05-09
/ PRIOR APPLICATION NUMBER: FR 0205081
/ PRIOR FILING DATE: 2002-05-10
/ NUMBER OF SEQ ID NOS: 33
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 8
/ LENGTH: 63
/ TYPE: PRT
/ ORGANISM: Hepatitis C virus
US-10-431-587-8

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```
Query Match      100.0%; Score 110; DB 12; Length 63;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 20: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 P Q R K T K R N T N R R P Q D V K F P G 20  
|||  
Db 2 P O R K T K R N T N R R P Q D V K F P G 21

RESULT 13  
US-10-431-587-9  
; Sequence 9, Application US/10431587  
; Publication NO. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simu  
; TITLE OF INVENTION: against, an in  
; FILE REFERENCE: BET 03P0456

```
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-9

Query Match      100.0%; Score 110; DB 12; Length 70;
Best Local Similarity 100.0%; Pred. No. 3.4e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFPFG 20
   |||||
Db 2 PQRKTKRNTNRRPQDVKFPFG 21
   |||||

RESULT 14
US-10-431-587-13
; Sequence 13, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-13

Query Match      100.0%; Score 110; DB 12; Length 73;
Best Local Similarity 100.0%; Pred. No. 3.5e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFPFG 20
   |||||
Db 7 PQRKTKRNTNRRPQDVKFPFG 26
   |||||

RESULT 15
US-09-851-138-10
; Sequence 10, Application US/098511138
; Publication No. US20020183508A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT
; STUYVER, LIEVEN
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
; AGENTS
; NUMBER OF SEQUENCES: 207
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/851,138
; FILING DATE: 09-May-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/836,075
; FILING DATE: <Unknown>
; APPLICATION NUMBER: EP 94870166.9
; FILING DATE: 21 Oct 1994
; APPLICATION NUMBER: EP 95870076.7
; FILING DATE: 28 Jun 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:004
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-851-138-10

Query Match      100.0%; Score 110; DB 9; Length 74;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFPFG 20
   |||||
Db 7 PQRKTKRNTNRRPQDVKFPFG 26
   |||||

RESULT 16
US-10-651-165-198
; Sequence 198, Application US/106511165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
; APPLICANT: LEROUX-ROELS, Geert
; APPLICANT: DELEYS, Robert
; APPLICANT: MAERTENS, Geert
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
; FILE REFERENCE: 2551-94
; CURRENT APPLICATION NUMBER: US/10/651,165
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/08/974,690C
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: PCT/EP94/03555
; PRIOR FILING DATE: 1994-10-28
; PRIOR APPLICATION NUMBER: EP 93402718.6
; PRIOR FILING DATE: 1993-11-04
; NUMBER OF SEQ ID NOS: 286
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 198
; LENGTH: 74
; TYPE: PRT
; ORGANISM: hepatitis C virus
US-10-651-165-198

Query Match      100.0%; Score 110; DB 12; Length 74;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFPFG 20
   |||||
Db 7 PQRKTKRNTNRRPQDVKFPFG 26
   |||||

RESULT 17
US-10-431-587-1
; Sequence 1, Application US/10431587
; Publication No. US20040072267A1
```

```
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-1

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
Db 7 PORKTKNTNRRPQDVKFPG 26

RESULT 18
US-10-431-587-4
; Sequence 4, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-4

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
Db 7 PORKTKNTNRRPQDVKFPG 26

RESULT 19
US-10-431-587-5
; Sequence 5, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-5

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
Db 7 PORKTKNTNRRPQDVKFPG 26

RESULT 20
US-10-431-587-6
; Sequence 6, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-6

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
Db 7 PORKTKNTNRRPQDVKFPG 26

RESULT 21
US-10-431-587-14
; Sequence 14, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: MOD.RES
; LOCATION: (45)..(45)
; OTHER INFORMATION: bala
US-10-431-587-14

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
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```
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-5

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
Db 7 PORKTKNTNRRPQDVKFPG 26

RESULT 20
US-10-431-587-6
; Sequence 6, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-6

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
Db 7 PORKTKNTNRRPQDVKFPG 26

RESULT 21
US-10-431-587-14
; Sequence 14, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody,
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: MOD.RES
; LOCATION: (45)..(45)
; OTHER INFORMATION: bala
US-10-431-587-14

Query Match      100.0%; Score 110; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 3.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKNTNRRPQDVKFPG 20
```

Db 7 PORKTKRNTNRRPDQVKFPG 26  
|||||

## RESULT 22

US-10-431-587-16  
; Sequence 16, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody for simultaneously detecting an infectious microorganism  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; PRIOR FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 75  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (29)..(29)  
; OTHER INFORMATION: N1e  
US-10-431-587-16

Query Match 100.0%; Score 110; DB 12; Length 75;  
Best Local Similarity 100.0%; Pred. No. 3.6e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
|||||

Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 23

US-10-431-587-17  
; Sequence 17, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody for simultaneously detecting an infectious microorganism  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; PRIOR FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 17  
; LENGTH: 75  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-17

Query Match 100.0%; Score 110; DB 12; Length 75;  
Best Local Similarity 100.0%; Pred. No. 3.6e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
|||||

Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 24

US-10-431-587-18  
; Sequence 18, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:

; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody for simultaneously detecting an infectious microorganism  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; PRIOR FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 75  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (35)..(35)  
; OTHER INFORMATION: homo-serine  
US-10-431-587-18

Query Match 100.0%; Score 110; DB 12; Length 75;  
Best Local Similarity 100.0%; Pred. No. 3.6e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
|||||

Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 25

US-10-431-587-15  
; Sequence 15, Application US/10431587  
; Publication No. US20040072267A1  
; GENERAL INFORMATION:  
; APPLICANT: BIORAD PASTEUR  
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody for simultaneously detecting an infectious microorganism  
; FILE REFERENCE: BET 03P0456  
; CURRENT APPLICATION NUMBER: US/10/431,587  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: FR 0205808  
; PRIOR FILING DATE: 2002-05-10  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 76  
; TYPE: PRT  
; ORGANISM: Hepatitis C virus  
US-10-431-587-15

Query Match 100.0%; Score 110; DB 12; Length 76;  
Best Local Similarity 100.0%; Pred. No. 3.7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
|||||

Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 26

US-09-758-308-1  
; Sequence 1, Application US/09758308  
; Patent No. US20020090607A1  
; GENERAL INFORMATION:  
; APPLICANT: HOWARD A. FIELDS AND YURY E. KHUYDAKOV  
; TITLE OF INVENTION: ANTIGENIC EPITOPES AND MOSAIC POLYPEPTIDES OF HEPATITIS C VIRUS  
; FILE REFERENCE: 14114.034902  
; CURRENT APPLICATION NUMBER: US/09/758,308  
; CURRENT FILING DATE: 2001-01-10  
; PRIOR APPLICATION NUMBER: 60/092,339  
; PRIOR FILING DATE: 1999-07-10  
; NUMBER OF SEQ ID NOS: 5

```
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Hepatitis C Virus
US-09-758-308-1

Query Match 100.0%; Score 110; DB 9; Length 91;
Best Local Similarity 100.0%; Pred. No. 4.5e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDQVKFPG 20
Db 7 PQRKTKNTNRRPDQVKFPG 26

RESULT 27
US-09-756-875-8
; Sequence 8, Application US/09756875
; Patent No. US20020150990A1
; GENERAL INFORMATION:
; APPLICANT: PIKE, IAN
; TITLE OF INVENTION: HEPATITIS C VIRUS PEPTIDES
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 701-E Columbia Square
; STREET: 555 13th Street, N. W.
; CITY: Washington
; STATE: D. C.
; COUNTRY: U. S.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/756,875
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/259,721
; FILING DATE: 29-AUG-1994
; APPLICATION NUMBER: PCT/GB93/00410
; FILING DATE: 26-FEB-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: ERNST, BARBARA G.
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1808-157A
; TELEPHONE: (202)783-6040
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 97 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-09-756-875-8

Query Match 100.0%; Score 110; DB 9; Length 97;
Best Local Similarity 100.0%; Pred. No. 4.8e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDQVKFPG 20
Db 7 PQRKTKNTNRRPDQVKFPG 26

RESULT 28
US-10-651-165-232
; Sequence 232, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
; APPLICANT: LEROUX-ROELS, Geert
; APPLICANT: DELEYS, Robert
; APPLICANT: MAERTENS, Geert
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
; TITLE OF INVENTION: VIRUS
; FILE REFERENCES: 2551-94
; CURRENT APPLICATION NUMBER: US/10/651,165
; PRIOR FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/08/974,690C
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: PCT/EP94/03555
; PRIOR FILING DATE: 1994-10-28
; PRIOR APPLICATION NUMBER: EP 93402718.6
; PRIOR FILING DATE: 1993-11-04
; NUMBER OF SEQ ID NOS: 286
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
; LENGTH: 100
; TYPE: PRT
; ORGANISM: hepatitis C virus
US-10-651-165-232

Query Match 100.0%; Score 110; DB 12; Length 100;
Best Local Similarity 100.0%; Pred. No. 4.9e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDQVKFPG 20
Db 7 PQRKTKNTNRRPDQVKFPG 26

RESULT 29
US-09-921-397-77
; Sequence 77, Application US/09921397
; Patent No. US20020151484A1
; GENERAL INFORMATION:
; APPLICANT: HYBRIGENICS
; TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a
; TITLE OF INVENTION: pathogenic strain of the hepatitis C virus and
; TITLE OF INVENTION: applications thereof
; FILE REFERENCES: B4809A - JAZ
; CURRENT APPLICATION NUMBER: US/09/921,397
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: EP 00402225.7
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 156
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 77
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-921-397-77

Query Match 100.0%; Score 110; DB 9; Length 103;
Best Local Similarity 100.0%; Pred. No. 5.1e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPDQVKFPG 20
Db 20 PQRKTKNTNRRPDQVKFPG 39

RESULT 30
US-09-851-138-14
; Sequence 14, Application US/09851138
; Publication No. US20020183508A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT
; APPLICANT: STUYVER, LIEVEN
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
; AGENTS
; NUMBER OF SEQUENCES: 207
```

;/ CORRESPONDENCE ADDRESS:  
;/ ADDRESSEE: ARNOLD, WHITE & DURKEE  
;/ STREET: P.O. BOX 4433  
;/ CITY: HOUSTON  
;/ STATE: TEXAS  
;/ COUNTRY: USA  
;/ ZIP: 77210-4433  
;/ COMPUTER READABLE FORM:  
;/ MEDIUM TYPE: Floppy disk  
;/ COMPUTER: IBM PC compatible  
;/ OPERATING SYSTEM: PC-DOS/MS-DOS  
;/ SOFTWARE: Microsoft Word 6.0 / ASCII text output  
;/ CURRENT APPLICATION DATA:  
;/ APPLICATION NUMBER: US/09/851,138  
;/ FILING DATE: 09-May-2001  
;/ PRIOR APPLICATION DATA:  
;/ APPLICATION NUMBER: 08/836,075  
;/ FILING DATE: <Unknown>  
;/ APPLICATION NUMBER: EP 94870166.9  
;/ FILING DATE: 21 Oct 1994  
;/ APPLICATION NUMBER: EP 95870076.7  
;/ FILING DATE: 28 Jun 1995  
;/ ATTORNEY/AGENT INFORMATION:  
;/ NAME: KAMMERER, PATRICIA A.  
;/ REGISTRATION NUMBER: 29,775  
;/ REFERENCE/DOCKET NUMBER: INNS:004  
;/ INFORMATION FOR SEQ ID NO: 14:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 108 amino acids  
;/ TYPE: amino acid  
;/ TOPOLOGY: linear  
;/ MOLECULE TYPE: peptide  
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-09-851-138-14

Query Match 100.0%; Score 110; DB 9; Length 108;  
Best Local Similarity 100.0%; Pred. No. 5.3e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFFG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 7 PQRKTKRNTNRRPQDVKFFG 26

RESULT 31  
US-09-921-397-78  
;/ Sequence 78, Application US/09921397  
;/ Patent No. US20020151484A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: HYBRIGENICS  
;/ TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a  
;/ TITLE OF INVENTION: pathogenic strain of the hepatitis C virus and  
;/ TITLE OF INVENTION: applications thereof  
;/ FILE REFERENCE: B4809A; JAZ  
;/ CURRENT APPLICATION NUMBER: US/09/921,397  
;/ CURRENT FILING DATE: 2001-08-02  
;/ PRIOR APPLICATION NUMBER: EP 00402225.7  
;/ PRIOR FILING DATE: 2000-08-03  
;/ NUMBER OF SEQ ID NOS: 156  
;/ SOFTWARE: PatentIn Ver. 2.1  
;/ SEQ ID NO 78  
;/ LENGTH: 113  
;/ TYPE: PRT  
;/ ORGANISM: Hepatitis C virus  
US-09-921-397-78

Query Match 100.0%; Score 110; DB 9; Length 113;  
Best Local Similarity 100.0%; Pred. No. 5.6e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFFG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 7 PQRKTKRNTNRRPQDVKFFG 26

## RESULT 32

US-09-306-780-4  
;/ Sequence 4, Application US/09306780  
;/ Publication No. US20010051336A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: TAKEMURA, FUMINORI  
;/ UENO, EIICHI  
;/ ITOH, SATORU  
;/ TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD  
;/ OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND  
;/ IMMUNOASSAY USING THE POLYPEPTIDE.  
;/ NUMBER OF SEQUENCES: 20  
;/ CORRESPONDENCE ADDRESS:  
;/ ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
;/ P.C.  
;/ STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
;/ CITY: ARLINGTON  
;/ STATE: VA  
;/ COUNTRY: U.S.A.  
;/ ZIP: 22202  
;/ COMPUTER READABLE FORM:  
;/ MEDIUM TYPE: Floppy disk  
;/ COMPUTER: IBM PC compatible  
;/ OPERATING SYSTEM: PC-DOS/MS-DOS  
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30  
;/ CURRENT APPLICATION DATA:  
;/ APPLICATION NUMBER: US/09/306,780  
;/ FILING DATE: 07-May-1999  
;/ CLASSIFICATION: <Unknown>  
;/ PRIOR APPLICATION DATA:  
;/ APPLICATION NUMBER: US/08/841,657A  
;/ FILING DATE: 30-APR-1997  
;/ APPLICATION NUMBER: JP 8-134444  
;/ FILING DATE: 01-MAY-1997  
;/ ATTORNEY/AGENT INFORMATION:  
;/ NAME: OBLON, NORMAN F.  
;/ REGISTRATION NUMBER: 24,618  
;/ REFERENCE/DOCKET NUMBER: 2084-033-0  
;/ TELECOMMUNICATION INFORMATION:  
;/ TELEPHONE: (703) 413-3000  
;/ TELEFAX: (703) 413-2220  
;/ INFORMATION FOR SEQ ID NO: 4:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 120 amino acids  
;/ TYPE: amino acid  
;/ TOPOLOGY: linear  
;/ MOLECULE TYPE: protein  
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-306-780-4

Query Match 100.0%; Score 110; DB 12; Length 120;  
Best Local Similarity 100.0%; Pred. No. 6e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PQRKTKRNTNRRPQDVKFFG 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 7 PQRKTKRNTNRRPQDVKFFG 26

## RESULT 33

US-10-268-569-19  
;/ Sequence 19, Application US/10268569  
;/ Publication No. US20030152965A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Ortho-Clinical Diagnostics, Inc.  
;/ TITLE OF INVENTION: HCV Core Protein Sequences  
;/ FILE REFERENCE: CDS-0288  
;/ CURRENT APPLICATION NUMBER: US/10/268,569  
;/ CURRENT FILING DATE: 2002-10-10  
;/ PRIOR APPLICATION NUMBER: 60/347,303  
;/ PRIOR FILING DATE: 2001-11-11



; ORGANISM: Hepatitis C virus  
US-10-292-129-14

Query Match 100.0%; Score 110; DB 14; Length 151;  
Best Local Similarity 100.0%; Pred. No. 7.6e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 37

US-09-306-780-8  
; Sequence 8, Application US/09306780  
; Publication No. US20010051336A1

## GENERAL INFORMATION:

APPLICANT: TAKEMURA, FUMINORI

YUENO, EIICHI

ITO, SATORU

TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD  
OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND  
IMMUNOASSAY USING THE POLYPEPTIDE.

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,

P.C.

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400

CITY: ARLINGTON

STATE: VA

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/306,780

FILING DATE: 07-May-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/841,657A

FILING DATE: 30-APR-1997

APPLICATION NUMBER: JP 8-134444

FILING DATE: 01-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 2084-033-0

TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 161 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-09-306-780-8

Query Match 100.0%; Score 110; DB 12; Length 161;

Best Local Similarity 100.0%; Pred. No. 8.2e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20

Db 12 PORKTKRNTNRRPDQVKFPG 31

## RESULT 38

US-09-899-046-152

Query Match 100.0%; Score 110; DB 10; Length 166;  
Best Local Similarity 100.0%; Pred. No. 8.4e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 39

US-09-878-281-152

Query Match 100.0%; Score 110; DB 10; Length 166;  
Best Local Similarity 100.0%; Pred. No. 8.4e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
Db 7 PORKTKRNTNRRPDQVKFPG 26

; Sequence 152, Application US/09899046  
; Publication No. US2003008274A1

## GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: New sequences of hepatitis C virus  
genotypes for diagnosis, prophylaxis and therapy.

NUMBER OF SEQUENCES: 270

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,046

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/362,455

FILING DATE:

INFORMATION FOR SEQ ID NO: 152:

SEQUENCE CHARACTERISTICS:

LENGTH: 166 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-899-046-152

Query Match 100.0%; Score 110; DB 10; Length 166;

Best Local Similarity 100.0%; Pred. No. 8.4e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20

Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 39

US-09-878-281-152

; Sequence 152, Application US/09878281

; Publication No. US20030032005A1

## GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: New sequences of hepatitis C virus  
genotypes for diagnosis, prophylaxis and therapy.

NUMBER OF SEQUENCES: 270

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/878,281

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/362,455

FILING DATE:

INFORMATION FOR SEQ ID NO: 152:

SEQUENCE CHARACTERISTICS:

LENGTH: 166 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-878-281-152

Query Match 100.0%; Score 110; DB 10; Length 166;

Best Local Similarity 100.0%; Pred. No. 8.4e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20

Db 7 PORKTKRNTNRRPDQVKFPG 26

## RESULT 40

US-09-899-046-152

Query Match 100.0%; Score 110; DB 10; Length 166;  
Best Local Similarity 100.0%; Pred. No. 8.4e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PORKTKRNTNRRPDQVKFPG 20  
Db 7 PORKTKRNTNRRPDQVKFPG 26

US-09-873-224-152  
 ; Sequence 152, Application US/09873224  
 ; Publication No. US20030064360A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: <Unknown>  
 ; TITLE OF INVENTION: New sequences of hepatitis C virus  
 ; genotypes for diagnosis, prophylaxis and therapy.  
 ;  
 ; NUMBER OF SEQUENCES: 270  
 ; CORRESPONDENCE ADDRESS:  
 ; STREET: Industriepark Zwijnaarde 7, box 4  
 ; CITY: Ghent  
 ; COUNTRY: Belgium  
 ; ZIP: B-9052  
 ;  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
 ;  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/873,224  
 ; FILING DATE: 05-Jun-2001  
 ; CLASSIFICATION: <Unknown>  
 ;  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/362,455  
 ; FILING DATE: <Unknown>  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Innogenetics sa.  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 00 32 9 241 07 11  
 ; TELEFAX: 00 32 9 241 07 99  
 ;  
 ; INFORMATION FOR SEQ ID NO: 152:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 166 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ;  
 ; MOLECULE TYPE: protein  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 152:  
 US-09-873-224-152

Query Match 100.0%; Score 110; DB 12; Length 166;  
 Best Local Similarity 100.0%; Pred. No. 8.4e-09;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PQRKTKNTNRRPQDVKFPG 20  
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 Db 7 PQRKTKNTNRRPQDVKFPG 26

Search completed: July 20, 2004, 09:45:29  
 Job time : 40 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 20, 2004, 09:29:26 ; Search time 14 seconds  
(without alignments)  
73.751 Million cell updates/sec

Title: US-10-044-995-1

Perfect score: 106 %

Sequence: 1 MSTIPKPKTKTNNRRPQ 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*
- 1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*
  - 3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*
  - 4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PCTUS COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	100.0	20	2	US-08-466-975A-1
2	106	100.0	20	2	US-08-391-671A-1
3	106	100.0	20	3	US-08-467-902A-1
4	106	100.0	20	3	US-09-275-265-1
5	106	100.0	20	4	US-09-941-611-1
6	106	100.0	20	4	US-09-790-497A-37
7	106	100.0	20	4	US-09-790-497A-133
8	106	100.0	20	4	US-09-576-824A-133
9	106	100.0	22	2	US-08-146-028-37
10	106	100.0	22	2	US-08-146-028-123
11	106	100.0	22	2	US-08-146-028-124
12	106	100.0	22	2	US-08-146-028-133
13	106	100.0	22	3	US-08-723-425A-37
14	106	100.0	22	3	US-08-723-425A-123
15	106	100.0	22	3	US-08-723-425A-124
16	106	100.0	22	3	US-08-723-425A-133
17	106	100.0	22	3	US-09-112-206-37
18	106	100.0	22	3	US-09-112-206-123
19	106	100.0	22	3	US-09-112-206-124
20	106	100.0	22	3	US-09-112-206-133
21	106	100.0	22	4	US-09-576-824A-37
22	106	100.0	32	4	US-09-790-497A-136
23	106	100.0	32	4	US-09-790-497A-402
24	106	100.0	32	4	US-09-576-824A-136
25	106	100.0	34	4	US-09-576-824A-402
26	106	100.0	191	2	US-08-290-665A-180
27	106	100.0	191	5	PCT-US95-10398-180

28	106	100.0	450	4	US-08-635-886C-181	Sequence 181, App
29	106	100.0	450	4	US-08-974-690C-181	Sequence 181, App
30	106	100.0	2894	2	US-08-466-975A-23	Sequence 23, Appl
31	106	100.0	2894	2	US-08-391-671A-23	Sequence 23, Appl
32	106	100.0	2894	3	US-08-467-902A-23	Sequence 23, Appl
33	106	100.0	2894	3	US-09-275-265-23	Sequence 23, Appl
34	106	100.0	2894	4	US-09-941-611-23	Sequence 23, Appl
35	104	98.1	100	4	US-08-635-886C-232	Sequence 232, App
36	104	98.1	100	4	US-08-974-690C-232	Sequence 232, App
37	104	98.1	137	3	US-08-836-075A-46	Sequence 46, Appl
38	101	95.3	61	1	US-07-946-054-9	Sequence 9, Appli
39	101	95.3	61	1	US-08-083-947-23	Sequence 23, Appli
40	101	95.3	61	1	US-08-530-550-3	Sequence 3, Appli
41	101	95.3	61	1	US-08-262-037-26	Sequence 26, Appli
42	101	95.3	61	5	PCT-US93-08638-9	Sequence 9, Appli
43	101	95.3	61	5	PCT-US94-07088-23	Sequence 23, Appli
44	101	95.3	61	5	PCT-US95-13660-3	Sequence 3, Appli
45	99	93.4	20	1	US-07-744-427-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1  
US-08-466-975A-1  
; Sequence 1, Application US/08466975A  
; Patent No. 5910404  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVESWEN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/08/466,975A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION NUMBER: US/08/391,671  
; FILING DATE:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B. J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid

; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-466-975A-1

Query Match 100.0%; Score 106; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
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Db 1 MSTIPKPKQKTKNTNRRPQ 20

## RESULT 2

US-08-391-671A-1  
; Sequence 1, Application US/08391671A  
; Patent No. 5922532  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/391,671A  
FILING DATE: 21-FEB-1995  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELEPHONE: 7038164000  
TELEFAX: 7038164100

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-391-671A-1

Query Match 100.0%; Score 106; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
| | | | | | | | | | | | | | | | | | | | | |

Db 1 MSTIPKPKQKTKNTNRRPQ 20

## RESULT 3

US-08-467-902A-1  
; Sequence 1, Application US/08467902A  
; Patent No. 6007982  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,902A  
FILING DATE:  
CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/391,671  
FILING DATE:  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990  
ATTORNEY/AGENT INFORMATION:

NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELEPHONE: 7038164000  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-467-902A-1

Query Match 100.0%; Score 106; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20  
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Db 1 MSTIPKPKQKTKNTNRRPQ 20

## RESULT 4

US-09-275-265-1  
; Sequence 1, Application US/09275265  
; Patent No. 6287761  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J

APPLICANT: POLLET, DIRK  
APPLICANT: MAERTENS, GEERT  
APPLICANT: VAN HEUVERSWUN, HUGO  
TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22201  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/09/275,265  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/391,671  
FILING DATE: 21-FEB-1995  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
APPLICATION DATA:  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 7038164000  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-275-265-1  
  
Query Match 100.0%; Score 106; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MSTIPKPKQTKTNTNRQP 20  
Db 1 MSTIPKPKQTKTNTNRQP 20  
  
RESULT 5  
US-09-941-611-1  
Sequence 1, Application US/09941611  
Patent No. 6576417  
GENERAL INFORMATION:  
APPLICANT: DELEYS, ROBERT J  
POLLET, DIRK  
MAERTENS, GEERT  
VAN HEUVERSWUN, HUGO  
TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
ANTIBODIES TO HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD

CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22201  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/09/941,611  
FILING DATE: 30-AUG-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/391,671  
FILING DATE: 1995-02-21  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 7038164000  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-941-611-1  
  
Query Match 100.0%; Score 106; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MSTIPKPKQTKTNTNRQP 20  
Db 1 MSTIPKPKQTKTNTNRQP 20  
  
RESULT 6  
US-09-790-497A-37  
Sequence 37, Application US/09790497A  
Patent No. 6649735  
GENERAL INFORMATION:  
APPLICANT: De Leys, Robert  
TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING  
TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN  
TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF  
TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS  
TITLE OF INVENTION: CONTAINING THEM  
FILE REFERENCE: 2752-16  
CURRENT APPLICATION NUMBER: US/09/790,497A  
CURRENT FILING DATE: 2001-02-23  
PRIOR APPLICATION NUMBER: 09/576,824  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 08/723,425  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: 09/146,028  
PRIOR FILING DATE: 1993-11-22  
PRIOR APPLICATION NUMBER: PCT/EP93/00517  
PRIOR FILING DATE: 1993-03-08  
PRIOR APPLICATION NUMBER: EP 92400598.6  
PRIOR FILING DATE: 1992-03-06  
NUMBER OF SEQ ID NOS: 600  
SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 37
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-37

Query Match
Best Local Similarity 100.0%; Score 106; DB 4; Length 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
| | | | | | | | | | | | | | | | | |
Db 1 MSTIPKPKQKTKNTNRRPQ 20

RESULT 7
US-09-790-497A-133
; Sequence 133, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR FILING DATE: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-133

Query Match
Best Local Similarity 100.0%; Score 106; DB 4; Length 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
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Db 1 MSTIPKPKQKTKNTNRRPQ 20

RESULT 8
US-09-576-824A-133
; Sequence 133, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-11
; CURRENT APPLICATION NUMBER: US/09/576,824A
; CURRENT FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
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; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-576-824A-133

Query Match
Best Local Similarity 100.0%; Score 106; DB 4; Length 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
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Db 1 MSTIPKPKQKTKNTNRRPQ 20

RESULT 9
US-08-146-028-37
; Sequence 37, Application US/08146028
; Patent No. 5891640
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES
; CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
; TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
; TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM,
; NUMBER OF SEQUENCES: 453
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/146,028
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: HCV
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 22
; US-08-146-028-37

Query Match
Best Local Similarity 100.0%; Score 106; DB 2; Length 22;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20
| | | | | | | | | | | | | | | | | |
Db 2 MSTIPKPKQKTKNTNRRPQ 21
| | | | | | | | | | | | | | | | | |

RESULT 10
US-08-146-028-123
; Sequence 123, Application US/08146028
; Patent No. 5891640
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GENERAL INFORMATION:  
APPLICANT: TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
NUMBER OF SEQUENCES: 453  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/146,028  
INFORMATION FOR SEQ ID NO: 123:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: HCV  
FEATURE:  
NAME/KEY: Xaa is H2N  
LOCATION: 1  
FEATURE:  
NAME/KEY: Xaa is CONH2  
LOCATION: 22  
US-08-146-028-123  
Query Match 100.0%; Score 106; DB 2; Length 22;  
Best Local Similarity 100.0%; Pred. No. 7.7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MSTIPKQRTKNTNRPPQ 20  
Db 2 MSTIPKQRTKNTNRPPQ 21  
RESULT 11  
US-08-146-028-124  
Sequence 124, Application US/08146028  
Patent No. 5891640  
GENERAL INFORMATION:  
APPLICANT: TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
NUMBER OF SEQUENCES: 453  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/146,028  
INFORMATION FOR SEQ ID NO: 124:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: HCV  
FEATURE:  
NAME/KEY: Xaa is H2N  
LOCATION: 1  
FEATURE:  
NAME/KEY: Xaa is CONH2  
LOCATION: 22

NAME/KEY: Xaa is Gly-Gly-Lys (Bio) -CONH2  
LOCATION: 22  
US-08-146-028-124  
Query Match 100.0%; Score 106; DB 2; Length 22;  
Best Local Similarity 100.0%; Pred. No. 7.7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MSTIPKQRTKNTNRPPQ 20  
Db 2 MSTIPKQRTKNTNRPPQ 21  
RESULT 12  
US-08-146-028-133  
Sequence 133, Application US/08146028  
Patent No. 5891640  
GENERAL INFORMATION:  
APPLICANT: TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES  
TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR  
TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,  
TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM  
NUMBER OF SEQUENCES: 453  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/146,028  
INFORMATION FOR SEQ ID NO: 133:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: HCV  
FEATURE:  
NAME/KEY: Xaa is absent  
LOCATION: 1  
FEATURE:  
NAME/KEY: Xaa is absent  
LOCATION: 22  
US-08-146-028-133  
Query Match 100.0%; Score 106; DB 2; Length 22;  
Best Local Similarity 100.0%; Pred. No. 7.7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MSTIPKQRTKNTNRPPQ 20  
Db 2 MSTIPKQRTKNTNRPPQ 21  
RESULT 13  
US-08-723-425A-37  
Sequence 37, Application US/08723425A  
Patent No. 6165730  
GENERAL INFORMATION:  
APPLICANT: DELEYS, ROBERT  
TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
TITLE OF INVENTION: EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF  
TITLE OF INVENTION: ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...  
NUMBER OF SEQUENCES: 453  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHUE, P.C.  
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR  
CITY: Arlington

STATE: VA  
COUNTRY: USA  
ZIP: 22201  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,425A  
FILING DATE:

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-13  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: HCV  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 22  
US-08-723-425A-37

Query Match 100.0%; Score 106; DB 3; Length 22;  
Best Local Similarity 100.0%; Pred. No. 7.7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKQKTKNTNRRPQ 20  
|||  
Db 2 MSTIPKQKTKNTNRRPQ 21  
|||

## RESULT 14

US-08-723-425A-123  
Sequence 123, Application US/08723425A  
Patent No. 6165730  
GENERAL INFORMATION:

APPLICANT: DELEYS, ROBERT  
TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
TITLE OF INVENTION: EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF  
TITLE OF INVENTION: ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...  
NUMBER OF SEQUENCES: 453  
CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHVE, P.C.  
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,425A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:

NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-13  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 123:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: HCV  
FEATURE:  
NAME/KEY: Xaa is H2N  
LOCATION: 1  
FEATURE:  
NAME/KEY: Xaa is CONH2  
LOCATION: 22  
US-08-723-425A-123

Query Match 100.0%; Score 106; DB 3; Length 22;  
Best Local Similarity 100.0%; Pred. No. 7.7e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKQKTKNTNRRPQ 20  
|||  
Db 2 MSTIPKQKTKNTNRRPQ 21  
|||

## RESULT 15

US-08-723-425A-124  
Sequence 124, Application US/08723425A  
Patent No. 6165730  
GENERAL INFORMATION:

APPLICANT: DELEYS, ROBERT  
TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
TITLE OF INVENTION: EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF  
TITLE OF INVENTION: ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...  
NUMBER OF SEQUENCES: 453  
CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHVE, P.C.  
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,425A  
FILING DATE:

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-13  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 124:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO



APPLICATION NUMBER: US/09/112,206  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/146,028  
FILING DATE:

INFORMATION FOR SEQ ID NO: 123:

SEQUENCE CHARACTERISTICS:

LENGTH: 22 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: HCV

FEATURE:

NAME/KEY: Xaa is H2N

LOCATION: 1

FEATURE:

NAME/KEY: Xaa is CONH2

LOCATION: 22

US-09-112-206-123

Query Match 100.0%; Score 106; DB 3; Length 22;

Best Local Similarity 100.0%; Pred. No. 7.7e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20

Db 2 MSTIPKPKQKTKNTNRRPQ 21

RESULT 19

US-09-112-206-124

Sequence 124, Application US/09112206

Patent No. 6210903

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES

TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR

TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED

TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,

TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM

NUMBER OF SEQUENCES: 453

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/112,206

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/146,028

FILING DATE:

INFORMATION FOR SEQ ID NO: 124:

SEQUENCE CHARACTERISTICS:

LENGTH: 22 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: HCV

FEATURE:

NAME/KEY: Xaa is H2N

LOCATION: 1

FEATURE:

NAME/KEY: Xaa is Gly-Gly-Lys(Bio)-CONH2

LOCATION: 22

US-09-112-206-124

Query Match 100.0%; Score 106; DB 3; Length 22;

Best Local Similarity 100.0%; Pred. No. 7.7e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20

Db 2 MSTIPKPKQKTKNTNRRPQ 21

RESULT 20

US-09-112-206-133

Sequence 133, Application US/09112206

Patent No. 6210903

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES

TITLE OF INVENTION: CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR

TITLE OF INVENTION: IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED

TITLE OF INVENTION: PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,

TITLE OF INVENTION: PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM

NUMBER OF SEQUENCES: 453

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/112,206

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/146,028

FILING DATE:

INFORMATION FOR SEQ ID NO: 133:

SEQUENCE CHARACTERISTICS:

LENGTH: 22 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: HCV

FEATURE:

NAME/KEY: Xaa is absent

LOCATION: 1

FEATURE:

NAME/KEY: Xaa is absent

LOCATION: 22

US-09-112-206-133

Query Match 100.0%; Score 106; DB 3; Length 22;

Best Local Similarity 100.0%; Pred. No. 7.7e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKQKTKNTNRRPQ 20

Db 2 MSTIPKPKQKTKNTNRRPQ 21

RESULT 21

US-09-576-824A-37

Sequence 37, Application US/09576824A

Patent No. 6667387

GENERAL INFORMATION:

APPLICANT: De Leys, Robert

TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING

TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN

TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF

TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT

TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS

TITLE OF INVENTION: CONTAINING THEM

FILE REFERENCE: 2752-11

CURRENT APPLICATION NUMBER: US/09/576,824A

CURRENT FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 08/723,425

PRIOR FILING DATE: 1996-09-30

```
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)
; OTHER INFORMATION: modified site
; NAME/KEY: VARIANT
; LOCATION: (22)
; OTHER INFORMATION: modified site
US-09-576-824A-37

Query Match      100.0%; Score 106; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 7.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQTKNTNRQP 20
   |||||
DB 2 MSTIPKPKQTKNTNRQP 21
   |||||

RESULT 22
US-09-790-497A-136
; Sequence 136, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-136

Query Match      100.0%; Score 106; DB 4; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQTKNTNRQP 20
   |||||
DB 1 MSTIPKPKQTKNTNRQP 20
   |||||

RESULT 23
US-09-790-497A-136
; Sequence 136, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-136

Query Match      100.0%; Score 106; DB 4; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQTKNTNRQP 20
   |||||
DB 1 MSTIPKPKQTKNTNRQP 20
   |||||
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US-09-790-497A-402
; Sequence 402, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-16
; CURRENT APPLICATION NUMBER: US/09/790,497A
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/576,824
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; PRIOR FILING DATE: 1992-03-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 402
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-402

Query Match      100.0%; Score 106; DB 4; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQTKNTNRQP 20
   |||||
DB 1 MSTIPKPKQTKNTNRQP 20
   |||||

RESULT 24
US-09-576-824A-136
; Sequence 136, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
; APPLICANT: De Leys, Robert
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
; TITLE OF INVENTION: TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
; FILE REFERENCE: 2752-11
; CURRENT APPLICATION NUMBER: US/09/576,824A
; CURRENT FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 08/723,425
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: 09/146,028
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: PCT/EP93/00517
; PRIOR FILING DATE: 1993-03-08
; PRIOR APPLICATION NUMBER: EP 92400598.6
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-576-824A-136

Query Match      100.0%; Score 106; DB 4; Length 32;
```





INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2894 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-466-975A-23

Query Match 100.0%; Score 106; DB 2; Length 2894;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQRTKNTNRRPQ 20  
DB 1 MSTIPKPKQRTKNTNRRPQ 20

## RESULT 31

US-08-391-671A-23  
Sequence 23, Application US/08391671A  
Patent No. 592532

GENERAL INFORMATION:  
APPLICANT: DELEYS, ROBERT J  
APPLICANT: POLLET, DIRK  
APPLICANT: MAERTENS, GEERT  
APPLICANT: VAN HEUVERSWUN, HUGO  
TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/391,671A  
FILING DATE: 21-FEB-1995

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991

REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 7038164000  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:  
LENGTH: 2894 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO

## US-08-391-671A-23

Query Match 100.0%; Score 106; DB 2; Length 2894;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQRTKNTNRRPQ 20  
DB 1 MSTIPKPKQRTKNTNRRPQ 20

## RESULT 32

US-08-467-902A-23  
Sequence 23, Application US/08467902A  
Patent No. 6007982

GENERAL INFORMATION:  
APPLICANT: DELEYS, ROBERT J  
APPLICANT: POLLET, DIRK  
APPLICANT: MAERTENS, GEERT  
APPLICANT: VAN HEUVERSWUN, HUGO  
TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22201

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,902A  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/391,671  
FILING DATE:  
APPLICATION NUMBER: US 07/920,286  
FILING DATE: 14-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 7038164000  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:  
LENGTH: 2894 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-467-902A-23

Query Match 100.0%; Score 106; DB 3; Length 2894;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSTIPKPKQRTKNTNRRPQ 20

Db 1 MSTIPKPKRTKNTNRFPQ 20  
|||||

RESULT 33  
US-09-275-265-23 Application US/09275265  
; Sequence 23, Application US/09275265  
; Patent No. 6287761  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/275,265  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE: 21-FEB-1995  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2894 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-09-275-265-23

Query Match 100.0%; Score 106; DB 3; Length 2894;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKRTKNTNRFPQ 20  
|||||

Db 1 MSTIPKPKRTKNTNRFPQ 20

RESULT 34  
US-09-941-611-23  
; Sequence 23, Application US/09941611

; Patent No. 6576417  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,611  
; FILING DATE: 30-AUG-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/391,671  
; FILING DATE: 1995-02-21  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2894 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:  
US-09-941-611-23

Query Match 100.0%; Score 106; DB 4; Length 2894;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTIPKPKRTKNTNRFPQ 20  
|||||

Db 1 MSTIPKPKRTKNTNRFPQ 20

RESULT 35  
US-08-635-886C-232  
; Sequence 232, Application US/08635886C  
; Patent No. 6555114  
; GENERAL INFORMATION:  
; APPLICANT: LEROUX-ROELS, Geert  
; APPLICANT: DELEYS, Robert  
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C  
; TITLE OF INVENTION: VIRUS  
; FILE REFERENCE: 2752-18  
; CURRENT APPLICATION NUMBER: US/08/635,886C  
; CURRENT FILING DATE: 1996-04-25

;; PRIOR APPLICATION NUMBER: PCT/EP94/03555  
;; PRIOR FILING DATE: 1994-10-28  
;; PRIOR APPLICATION NUMBER: EP 93402718.6  
;; PRIOR FILING DATE: 1993-11-04  
;; NUMBER OF SEQ ID NOS: 286  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 232  
;; LENGTH: 100  
;; TYPE: PRT  
;; ORGANISM: hepatitis C virus  
US-08-635-886C-232

Query Match 98.1%; Score 104; DB 4; Length 100;  
Best Local Similarity 95.0%; Pred. No. 6.6e-08;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTLPKPKQKTKRNTNRRPQ 20  
Db 1 MSTLPKPKQKTKRNTNRRPQ 20

## RESULT 36

US-08-974-690C-232  
; Sequence 232, Application US/08974690C  
; Patent No. 6613333  
; GENERAL INFORMATION:  
; APPLICANT: LEROUX-ROELS, Geert  
; APPLICANT: DELEYS, Robert  
; APPLICANT: MAERTENS, Geert  
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C  
; FILE REFERENCE: 2551-94  
; CURRENT APPLICATION NUMBER: US/08/974.690C  
; CURRENT FILING DATE: 1997-11-19  
; PRIOR APPLICATION NUMBER: PCT/EP94/03555  
; PRIOR FILING DATE: 1994-10-28  
; PRIOR APPLICATION NUMBER: EP 93402718.6  
; PRIOR FILING DATE: 1993-11-04  
; NUMBER OF SEQ ID NOS: 286  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 232  
; LENGTH: 100  
; TYPE: PRT  
; ORGANISM: hepatitis C virus  
US-08-974-690C-232

Query Match 98.1%; Score 104; DB 4; Length 100;  
Best Local Similarity 95.0%; Pred. No. 6.6e-08;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTLPKPKQKTKRNTNRRPQ 20  
Db 1 MSTLPKPKQKTKRNTNRRPQ 20

## RESULT 37

US-08-836-075A-46  
; Sequence 46, Application US/08836075A  
; Patent No. 6180768  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: STUYVER, LIEVEN  
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
; TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
; NUMBER OF SEQUENCES: 207  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ARNOLD, WHITE & DURKEE  
; STREET: P. O. BOX 4433  
; CITY: HOUSTON  
; STATE: TEXAS  
; COUNTRY: USA  
; ZIP: 77210-4433

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6.0 / ASCII text output  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/836.075A  
FILING DATE: 21 Apr 1997  
PRIOR APPLICATION DATA: PCT/EP95/04155  
APPLICATION NUMBER: 23 Oct 1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 94870166.9  
FILING DATE: 21 Oct 1994  
PRIOR APPLICATION DATA: EP 95870076.7  
FILING DATE: 28 Jun 1995  
ATTORNEY/AGENT INFORMATION:  
NAME: KAMMERER, PATRICIA A.  
REGISTRATION NUMBER: 29,775  
REFERENCE/DOCKET NUMBER: INNS:004  
INFORMATION FOR SEQ ID NO: 46:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 137 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-836-075A-46

Query Match 98.1%; Score 104; DB 3; Length 137;  
Best Local Similarity 95.0%; Pred. No. 9.1e-08;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTLPKPKQKTKRNTNRRPQ 20  
Db 1 MSTLPKPKQKTKRNTNRRPQ 20

## RESULT 38

US-07-946-054-9  
; Sequence 9, Application US/07946054  
; Patent No. 5582968  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Chang Yi  
; APPLICANT: Hosein, Barbara H  
; TITLE OF INVENTION: No. 5582968el Branched Hybrid and Cluster  
; TITLE OF INVENTION: Peptides Effective in Diagnosing and Detecting No. 5582968-A,  
; TITLE OF INVENTION: No. 5582968-B Hepatitis  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: United Biomedical Inc.  
; STREET: 25 Davids Dr.  
; CITY: Hauppauge  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 11788  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/946,054  
FILING DATE: 15-SEP-1992  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Wilson, M. Lisa  
REGISTRATION NUMBER: 34,045  
REFERENCE/DOCKET NUMBER: 2000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 516-273-2828  
TELEFAX: 516-273-1717  
INFORMATION FOR SEQ ID NO: 9;

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-946-054-9

Query Match 95.3%; Score 101; DB 1; Length 61;  
Best Local Similarity 100.0%; Pred. No. 1.1e-07;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 STIPKPKQTKRNTNRRPQ 20  
Db 1 STIPKPKQTKRNTNRRPQ 19  
|||||

## RESULT 39

US-08-083-947-23  
; Sequence 23, Application US/08083947  
; Patent No. 5639594  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Chang Yi  
; APPLICANT: Hosein, Barbara  
; TITLE OF INVENTION: No. 5639594el Linear and Branched Peptides Effective  
; TITLE OF INVENTION: In Diagnosing and Detecting No. 5639594-A, No. 5639594-B Hepa  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: M. Lisa Wilson  
; STREET: 25 Davids Drive  
; CITY: Hauppauge  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 11788

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/083,947  
; FILING DATE: 19930628  
; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 946,054  
; FILING DATE: 15-SEP-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wilson, M. Lisa  
; REGISTRATION NUMBER: 34045  
; REFERENCE/DOCKET NUMBER: 2000Z  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (516)273-2828  
; TELEFAX: (516)273-1717  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-083-947-23

Query Match 95.3%; Score 101; DB 1; Length 61;  
Best Local Similarity 100.0%; Pred. No. 1.1e-07;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 STIPKPKQTKRNTNRRPQ 20  
Db 1 STIPKPKQTKRNTNRRPQ 19  
|||||

## RESULT 40

US-08-530-550-3  
; Sequence 3, Application US/08530550  
; Patent No. 5736321

; GENERAL INFORMATION:  
; APPLICANT: Hosein, Barbara  
; APPLICANT: Wang, Chang Yi  
; TITLE OF INVENTION: Peptides Effective for Diagnosis and  
; TITLE OF INVENTION: Detection of Hepatitis c Infection  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: M. Lisa Wilson  
; STREET: 25 Davids Drive  
; CITY: Hauppauge  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 11788  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/530,550  
; FILING DATE:  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wilson, M. Lisa  
; REGISTRATION NUMBER: 34,045  
; REFERENCE/DOCKET NUMBER: 2000Z  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (516)273-2828  
; TELEFAX: (516)273-1717  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-530-550-3

Query Match 95.3%; Score 101; DB 1; Length 61;  
Best Local Similarity 100.0%; Pred. No. 1.1e-07;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 STIPKPKQTKRNTNRRPQ 20  
Db 1 STIPKPKQTKRNTNRRPQ 19  
|||||

Search completed: July 20, 2004, 09:37:15  
Job time : 14 secs

